

GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: March 17, 2006, 10:53:42 ; Search time 20.668 Seconds  
(without alignment)  
984.042 Million cell updates/sec

Title: US-09-250-056b-1

Sequence: 1 QVQLVSGGGLVPGGSLRL.....YDSSISGHWGCGKLVIG 246

Scoring table: BLOSUM62

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :

1: /cgn2\_6/ptodata/1/aa/5.COMB.pep:\*  
2: /cgn2\_6/ptodata/1/aa/6.COMB.pep:\*  
3: /cgn2\_6/ptodata/1/aa/7.COMB.pep:\*  
4: /cgn2\_6/ptodata/1/aa/8.COMB.pep:\*  
5: /cgn2\_6/ptodata/1/aa/9.COMB.pep:\*  
6: /cgn2\_6/ptodata/1/aa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1075.5	82.7	310	2	US-09-079-029-11 Sequence 11, Appl
2	1017.5	78.3	334	2	US-09-646-028-53 Sequence 53, Appl
3	1017.5	78.3	339	2	US-09-646-028-55 Sequence 55, Appl
4	1017.5	78.3	348	2	US-09-646-028-51 Sequence 51, Appl
5	893.5	68.7	312	2	US-09-079-029-10 Sequence 10, Appl
6	887	68.2	303	2	US-09-079-029-9 Sequence 9, Appl
7	883.5	68.0	258	1	US-08-646-022-5 Sequence 5, Appl
8	883.5	67.6	258	1	US-08-315-574-5 Sequence 5, Appl
9	878.5	67.6	288	2	US-08-818-247-22 Sequence 22, Appl
10	855	65.8	240	2	US-08-132-854-2 Sequence 2, Appl
11	852.5	65.6	240	2	US-08-511-939-2 Sequence 2, Appl
12	841.5	64.7	281	2	US-09-025-7698-178 Sequence 178, Appl
13	841.5	64.7	281	2	US-09-490-0708-178 Sequence 178, Appl
14	841.5	64.7	281	2	US-09-490-153-178 Sequence 178, Appl
15	841.5	64.7	281	2	US-09-490-324-178 Sequence 178, Appl
16	827	63.0	268	2	US-08-976-118-1 Sequence 1, Appl
17	819.5	63.0	245	2	US-08-918-148-75 Sequence 75, Appl
18	819.5	63.0	245	2	US-09-138-091A-73 Sequence 73, Appl
19	794.5	61.0	245	2	US-08-918-148-78 Sequence 78, Appl
20	794.5	61.0	245	2	US-09-138-091A-76 Sequence 76, Appl
21	792.5	61.0	245	2	US-08-918-148-76 Sequence 76, Appl
22	792.5	61.0	245	2	US-09-138-091A-74 Sequence 74, Appl
23	791.5	60.9	249	2	US-08-918-148-74 Sequence 74, Appl
24	791.5	60.9	249	2	US-09-138-091A-72 Sequence 72, Appl
25	781	60.1	244	2	US-08-918-148-77 Sequence 77, Appl
26	781	60.1	244	2	US-09-138-091A-75 Sequence 75, Appl

28	768	59.1	236	1	US-08-190-199A-65 Sequence 65, Appl
29	768	59.1	244	2	US-08-918-148-79 Sequence 79, Appl
30	768	59.1	244	2	US-09-138-091A-77 Sequence 77, Appl
31	765	58.8	301	1	US-08-661-052-14 Sequence 14, Appl
32	765	58.8	301	2	US-09-188-082-14 Sequence 14, Appl
33	765	58.8	301	2	US-09-364-088-14 Sequence 14, Appl
34	765	58.8	301	2	US-09-102-716-14 Sequence 14, Appl
35	765	58.8	301	2	US-08-661-052-16 Sequence 16, Appl
36	765	58.8	553	2	US-09-188-082-16 Sequence 16, Appl
37	765	58.8	553	2	US-09-364-088-16 Sequence 16, Appl
38	765	58.8	553	2	US-08-956-047-25 Sequence 25, Appl
39	756	58.2	240	1	US-08-618-869-8 Sequence 8, Appl
40	747	57.5	255	2	US-09-553-498-8 Sequence 8, Appl
41	747	57.5	255	2	US-08-498-113B-148 Sequence 148, Appl
42	740.5	57.0	240	1	US-08-477-484B-148 Sequence 148, Appl
43	740.5	57.0	240	1	US-08-646-360-148 Sequence 148, Appl
44	740.5	57.0	240	1	US-08-646-360-148 Sequence 148, Appl
45	740.5	57.0	240	2	US-08-835-765-148 Sequence 148, Appl

## ALIGNMENTS

RESULT 1  
US-09-079-029-11  
; Sequence 11, Application US/09079029  
; Patent No. 6342369  
; GENERAL INFORMATION:  
; APPLICANT: Adams, Camilla W.  
; APPLICANT: Ashkenazi, Avi J.  
; APPLICANT: Chuntcharapai, Man  
; APPLICANT: Kim, Kyung J.  
; TITLE OF INVENTION: Apo-2 Receptor  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 1 DNA Way  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Minipain (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/079, 029  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Michael J. DiLans L.  
; REGISTRATION NUMBER: 5,600  
; REFERENCE/DOCKET NUMBER: P101R2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650/952-5416  
; TELEFAX: 650/952-9681  
; INFORMATION FOR SEQ ID NO: 11:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 310 amino acids  
; TYPE: Amino Acid  
; TOPOLOGY: Linear  
; US-09-079-029-11  
Query Match 82.7%; Score 1075.5; DB 2; Length 310;  
Best Local Similarity 84.6%; Pred. No. 2.4e-75;  
Matches 208; Conservative 11; Mismatches 26; Indels 1; Gaps 1;  
QY 1 QVQLVSGGGLVPGGSLRLSCAASGFTFRSYAMSVWRQAPGKLEWWSAISGRGNTYY 60  
DB 40 QVQLVSGGGLVPGGSLRLSCAASGFTFRSYAMSVWRQAPGKLEWWSAISGRGNTYY 99  
QY 61 ADVKGRFTISRDNSKNTLYIQOMLSLRADETAVYYCAKMTSNAPAFDYWGQGLTVTVSSG 120

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Db      100 ADSVKRFTISRNSKNTLYLQNNSLRAEDTAVYYCAR-DRGYYMDVWKGKGLTVTVSSG 158
      121 GGGSGGGGGGGGGGSSQSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGYGVHWYQQLPGTAP 180
      159 GGGSGGGGGGGGGGSSQSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGYGVHWYQQLPGTAP 218
      181 KLLIYGNVNRPSGVPPRFGSGFKSGTASLAITGLQAEDEADYYCOFYDSSLGWFVGGGT 240
      219 KLLIYDSDNRPSGVPPRFGSGSGTASLAITGLQAEDEADYYCOFYDSSLGWFVGGGT 278
      241 KLTVLG 246
      279 KLTVLG 284

Db      241 KLTVLG 246
      279 KLTVLG 284

RESULT 2
US-09-646-028-53
; Sequence 53, Application US/09646028
; Patent No. 6562347
; GENERAL INFORMATION:
; APPLICANT: Kwak, Larry
; APPLICANT: Biragyn, Arya
; TITLE OF INVENTION: METHODS AND COMPOSITIONS OF
; FILE REFERENCE: 14014.0316/P
; CURRENT APPLICATION NUMBER: US/09/646,028
; PRIOR FILING DATE: 2000-09-12
; PRIOR APPLICATION NUMBER: 60/077,745
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 53
; LENGTH: 334
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of artificial sequence:/note=synthetic construct
US-09-646-028-53

Query Match      78.3%; Score 1017.5; DB 2; Length 334;
Best Local Similarity 79.8%; Pred. No. 7.6e-71;
Matches 198; Conservative 13; Mismatches 34; Indels 3; Gaps 2;

      1 QVOLVSGGGGLVPGGSLRLSCAASGFTPRSYAMSWROAPGKLEWVSAISGRGDTYY 60
      80 EVQLLESGGGLVGGGSLRLSCVASGLTFSSTAITWRQAPGKLEWVSGISFGDTYY 139
      61 ADSVKRFTISRNSKNTLYLQNNSLRAEDTAVYYCAKMTSNAFADYWGQGLTVTVSS- 119
      140 ADSVKRFTISRNSKNTLYLQNNSLRAEDTAVYYCAKMTSNAFADYWGQGLTVTVSS- 199
      120 GGGSGGGGGGGGGG--GSGSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGYGVHWYQQLPG 177
      200 GGGSGGGGGGGGGGSSQSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGYGVHWYQKPE 259
      178 TAPKLLIYGNVNRPSGVPPRFGSGFKSGTASLAITGLQAEDEADYYCOFYDSSLGWFVGG 237
      260 TAPKLLIYNNRPSGVPPRFGSGKSGTASLAITGLQLEDEGTYCCQCNDSLSGWLFG 319
      238 GGTGLTVL 245
      320 GGTGLTVL 327

RESULT 3
US-09-646-028-55
; Sequence 55, Application US/09646028
; Patent No. 6562347
; GENERAL INFORMATION:
; APPLICANT: Kwak, Larry
; APPLICANT: Biragyn, Arya
; TITLE OF INVENTION: METHODS AND COMPOSITIONS OF

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; TITLE OF INVENTION: CHEMOKINE-TUMOR ANTIGEN FUSION PROTEINS AS CANCER VACCINES
; FILE REFERENCE: 14014.0316/P
; CURRENT APPLICATION NUMBER: US/09/646,028
; PRIOR FILING DATE: 2000-09-12
; PRIOR APPLICATION NUMBER: 60/077,745
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 55
; LENGTH: 339
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of artificial sequence:/note=synthetic construct
US-09-646-028-55

Query Match      78.3%; Score 1017.5; DB 2; Length 339;
Best Local Similarity 79.8%; Pred. No. 7.7e-71;
Matches 198; Conservative 13; Mismatches 34; Indels 3; Gaps 2;

      1 QVOLVSGGGGLVPGGSLRLSCAASGFTPRSYAMSWROAPGKLEWVSAISGRGDTYY 60
      85 EVQLLESGGGLVGGGSLRLSCVASGLTFSSTAITWRQAPGKLEWVSGISFGDTYY 144
      61 ADSVKRFTISRNSKNTLYLQNNSLRAEDTAVYYCAKMTSNAFADYWGQGLTVTVSS- 119
      145 ADSVKRFTISRNSKNTLYLQNNSLRAEDTAVYYCAKMTSNAFADYWGQGLTVTVSS- 204
      120 GGGSGGGGGGGGGG--GSGSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGYGVHWYQQLPG 177
      205 GGGSGGGGGGGGSSQSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGYGVHWYQKPE 264
      178 TAPKLLIYGNVNRPSGVPPRFGSGFKSGTASLAITGLQAEDEADYYCOFYDSSLGWFVGG 237
      265 TAPKLLIYNNRPSGVPPRFGSGKSGTASLAITGLQLEDEGTYCCQCNDSLSGWLFG 324
      238 GGTGLTVL 245
      325 GGTGLTVL 332

Db      238 GGTGLTVL 245
      325 GGTGLTVL 332

RESULT 4
US-09-646-028-51
; Sequence 51, Application US/09646028
; Patent No. 6562347
; GENERAL INFORMATION:
; APPLICANT: Kwak, Larry
; APPLICANT: Biragyn, Arya
; TITLE OF INVENTION: METHODS AND COMPOSITIONS OF
; FILE REFERENCE: 14014.0316/P
; CURRENT APPLICATION NUMBER: US/09/646,028
; PRIOR FILING DATE: 2000-09-12
; PRIOR APPLICATION NUMBER: 60/077,745
; NUMBER OF SEQ ID NOS: 57
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 51
; LENGTH: 348
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of artificial sequence:/note=synthetic construct
US-09-646-028-51

Query Match      78.3%; Score 1017.5; DB 2; Length 348;
Best Local Similarity 79.8%; Pred. No. 8e-71;
Matches 198; Conservative 13; Mismatches 34; Indels 3; Gaps 2;

      1 QVOLVSGGGGLVPGGSLRLSCAASGFTPRSYAMSWROAPGKLEWVSAISGRGDTYY 60
      94 EVQLLESGGGLVGGGSLRLSCVASGLTFSSTAITWRQAPGKLEWVSGISFGDTYY 153

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QY 61 ADSVKRFTISDNKNTLYLQNNSLAEPTAVYCAKMTSNAFADYWGQGLVTVSS- 119  
DB 154 ADVVKRFPASADNSKNVLYLQNNLBNPTAVYFCANNQOTNFCIDMWGGGLVTVSSR 213  
QY 120 GGGGSGGGSGGG--GSOSVLTOPPSVGAFCORVITISCTGSSNIGAGYGVHWYQOLPG 177  
DB 214 GGGGSGGGSGGGSGSOSVLTOPPSVGAFCORVITISCTGSSNIGAGYGVHWYQOLPFE 273  
QY 178 TAPKLLIYGNTRPSPGVDRFSGFKSGTASLAITGLQADEADYCCOFPYDSLSGVWFG 237  
DB 274 TAPKLLIYGNTRPSPGVDRFSGFKSGTASLAITGLQADEADYCCOFPYDSLSGVWFG 333  
QY 238 GGTGLTVL 245  
DB 334 GGTGLTVL 341

RESULT 5  
US-09-079-029-10  
Sequence 10, Application US/09079029  
Patent No. 6342369  
GENERAL INFORMATION:  
APPLICANT: Adams, Camilla W.  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Chuntharapai, Anan  
APPLICANT: Kim, Kyung J.  
TITLE OF INVENTION: Apo-2 Receptor  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 1 DNA Way  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/079,029  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Marchand, Diane L.  
REGISTRATION NUMBER: 35,600  
REFERENCE/DOCKET NUMBER: P1101R2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650/952-9881  
TELEFAX: 650/952-5416  
INFORMATION FOR SEQ ID NO: 10:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 312 amino acids  
TYPE: Amino Acid  
TOPOLOGY: Linear  
US-09-079-029-10

Query Match 68.7%; Score 892.5; DB 2; Length 312;  
Best Local Similarity 72.8%; Pred. No. 3e-61;  
Matches 182; Conservative 13; Mismatches 46; Indels 9; Gaps 3;

QY 177 GAPKLLIYGNTRPSPGVDRFSGFKSGTASLAITGLQADEADYCCOFPYDSLSGVWFG 236  
DB 217 GAPKLLIYGNTRPSPGVDRFSGFKSGTASLAITGLQADEADYCCOFPYDSLSGVWFG 276  
QY 237 GGTGLTVL 246  
DB 277 GGTGLTVL 286

RESULT 6  
US-09-079-029-9  
Sequence 9, Application US/09079029  
Patent No. 6342369  
GENERAL INFORMATION:  
APPLICANT: Adams, Camilla W.  
APPLICANT: Ashkenazi, Avi J.  
APPLICANT: Chuntharapai, Anan  
APPLICANT: Kim, Kyung J.  
TITLE OF INVENTION: Apo-2 Receptor  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 1 DNA Way  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/079,029  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Marchand, Diane L.  
REGISTRATION NUMBER: 35,600  
REFERENCE/DOCKET NUMBER: P1101R2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650/952-9881  
TELEFAX: 650/952-5416  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 309 amino acids  
TYPE: Amino Acid  
TOPOLOGY: Linear  
US-09-079-029-9

Query Match 68.2%; Score 887; DB 2; Length 309;  
Best Local Similarity 71.8%; Pred. No. 7.9e-61;  
Matches 178; Conservative 17; Mismatches 47; Indels 6; Gaps 3;

Db 276 GTKLTVLG 283

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RESULT 7
US-08-665-202-5
/ Sequence 5, Application US/08665202
/ Patent No. 5977322
/ GENERAL INFORMATION:
/ APPLICANT: Marks, James D.
/ APPLICANT: Schier, Robert
/ TITLE OF INVENTION: No. 5977322el High Affinity Human Antibodies to
/ TITLE OF INVENTION: Tumor Antigens
/ NUMBER OF SEQUENCES: 141
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Townsend and Townsend and Crew LLP
/ STREET: Two Embarcadero Center, Eighth Floor
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94111-3834
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent in Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/665,202
/ FILING DATE: 13-JUN-1996
/ CLASSIFICATION: 424
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 60/000,238
/ FILING DATE: 14-JUN-1995
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 60/000,250
/ FILING DATE: 15-JUN-1995
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Hunter, Tom
/ REGISTRATION NUMBER: 38,498
/ REFERENCE/DOCKET NUMBER: 02307E-061410
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 576-0200
/ TELEFAX: (415) 576-0300
/ INFORMATION FOR SEQ ID NO: 5:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 258 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ US-08-665-202-5
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Query Match 68.0%; Score 883.5; DB 1; Length 258;
Best Local Similarity 67.6%; Pred. No. 1.2e-60;
Matches 173; Conservative 31; Mismatches 41; Indels 11; Gaps 3;

QY 1 QVQLVESGGGLVQPGGSLRLISCAASGFTFSYAMSWVRQAPGKLEWVSAISGRGNTYY 60
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db 1 QVQLVQSGAELEKRRGSESLKISCKGSGYFTSYIAVWRQMPGKLEWVGLIYPGDSPTKY 60
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
QY 61 ADSVKGRFTISRDNKNTLYLQNMNLSRAEDTAVYYCAK-----MTSNAPF----FDYWG 110
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db 61 SPSPQGGVTTISVDKSVSTAYLQWMSLKPDSAVYFCARHDVGYCSSSNCAKMPYFQHWG 120
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
QY 111 QGTLVTVSSGGGSGGGGSGGSGSVLTQPPSVSAGPGRVTISCTGSSSNIGAGYGVH 170
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db 121 QGTLVTVSSGGGSGGGGSGGSGSVLTQPPSVSAAFGQKVTIISCGSSSNIGANN--VS 179
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
QY 171 WYQQLPETAARKLLIYGNTNRPSPGVDRFSGFKSGTASLAITGLQAEDEADYYCOFYDSS 230
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db 180 WYQQLPETAARKLLIYGHTNRPAGVDRFSGSKGSASLASISFRSDEADYYCAAMDSS 239
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
QY 231 LSGWVFGGGTGLTVLG 246
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db 240 LSGWVFGGGTGLTVLG 255
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
```

```
RESULT 8
US-09-315-574-5
/ Sequence 5, Application US/09315574
/ Patent No. 6512097
/ GENERAL INFORMATION:
/ APPLICANT: Marks, James D.
/ APPLICANT: Schier, Robert
/ TITLE OF INVENTION: No. 6512097el High Affinity Human Antibodies to
/ TITLE OF INVENTION: Tumor Antigens
/ NUMBER OF SEQUENCES: 141
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Majestic, Parsons, Siebert & Haue P. C.
/ STREET: Four Embarcadero Center, Suite 1100
/ CITY: San Francisco
/ STATE: California
/ COUNTRY: USA
/ ZIP: 94111-4106
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent in Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/315,574
/ FILING DATE: 20-MAY-99
/ CLASSIFICATION: 530
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 60/000,238
/ FILING DATE: 14-JUN-1995
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 60/000,250
/ FILING DATE: 15-JUN-1995
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/665,202
/ FILING DATE: 13-JUN-1996
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Hunter, Tom
/ REGISTRATION NUMBER: 38,498
/ REFERENCE/DOCKET NUMBER: 02307E-061411
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (415) 576-0200
/ TELEFAX: (415) 576-0300
/ INFORMATION FOR SEQ ID NO: 5:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 258 amino acids
/ TYPE: amino acid
/ TOPOLOGY: linear
/ MOLECULE TYPE: protein
/ US-09-315-574-5
```

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Query Match 68.0%; Score 883.5; DB 2; Length 258;
Best Local Similarity 67.6%; Pred. No. 1.2e-60;
Matches 173; Conservative 31; Mismatches 41; Indels 11; Gaps 3;

QY 1 QVQLVESGGGLVQPGGSLRLISCAASGFTFSYAMSWVRQAPGKLEWVSAISGRGNTYY 60
   |||:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|
Db 1 QVQLVQSGAELEKRRGSESLKISCKGSGYFTSYIAVWRQMPGKLEWVGLIYPGDSPTKY 60
   |||:|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|
QY 61 ADSVKGRFTISRDNKNTLYLQNMNLSRAEDTAVYYCAK-----MTSNAPF----FDYWG 110
   |||:|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|
Db 61 SPSPQGGVTTISVDKSVSTAYLQWMSLKPDSAVYFCARHDVGYCSSSNCAKMPYFQHWG 120
   |||:|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|
QY 111 QGTLVTVSSGGGSGGGGSGGSGSVLTQPPSVSAGPGRVTISCTGSSSNIGAGYGVH 170
   |||:|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|
Db 121 QGTLVTVSSGGGSGGGGSGGSGSVLTQPPSVSAAFGQKVTIISCGSSSNIGANN--VS 179
   |||:|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|
QY 171 WYQQLPETAARKLLIYGNTNRPSPGVDRFSGFKSGTASLAITGLQAEDEADYYCOFYDSS 230
   |||:|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|
Db 180 WYQQLPETAARKLLIYGHTNRPAGVDRFSGSKGSASLASISFRSDEADYYCAAMDSS 239
   |||:|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|
QY 231 LSGWVFGGGTGLTVLG 246
   |||:|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|:~|
```

Db 240 LSGMVGCGTKLTVLG 255

# RESULT 9

US-09-818-247-22

Sequence 22, Application US/09818247

Patent No. 6855810

GENERAL INFORMATION:

APPLICANT: Mostov, Ketch E.

APPLICANT: Chapman, Steven J.

APPLICANT: Richman-Eisenstat, Janice

TITLE OF INVENTION: The Regents of the University of California

TITLE OF INVENTION: Ligands Directed to the No. 6855810-Secretory Component,

FILE REFERENCE: 18062E-00091005

CURRENT APPLICATION NUMBER: US/09/818, 247

PRIOR FILING DATE: 2001-03-26

PRIOR APPLICATION NUMBER: WO PCT/US01/09669

PRIOR FILING DATE: 2000-03-27

PRIOR APPLICATION NUMBER: US 60/192,197

PRIOR FILING DATE: 2000-03-27

PRIOR APPLICATION NUMBER: US 60/192,198

NUMBER OF SEQ ID NOS: 26

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 22

LENGTH: 288

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Artificial

OTHER INFORMATION: Sequence:peib/4AF/myc/6HIS

US-09-818-247-22

Query Match

Best Local Similarity 67.6%; Score 878.5; DB 2; Length 288;

Matches 179; Conservative 18; Mismatches 42; Indels 7; Gaps 4;

Db

1 QVQLVESGGGLVQPGGSLRLSCAASGFTFSRYAMSWVRQAPGKLEWVSATISGRDNTYY 60

23 QVQLVSGGGLVQPGGSLRLSCAASGFTFSRYAMSWVRQAPGKLEWVSATISGSGSTYY 82

61 ADSVGRFTISRDNKNTLYIQMNSLRADPTAVYCAKMTSNAFAPDYWGQGLTVTVSS 119

83 ADSVGRFTISRDNKNTLYIQMNSLRADPTAVYCAKMTSNAFAPDYWGQGLTVTVSS 142

120 GGGSGGGSGGGSGGSSQSVLTQPS-VSGAPGQRTITSCGSSSNTGAGYVHWYQOLPQT 178

143 GGGSGGGSGGGSGGSEIYVLTQPSVLTQPSVLTQPSVLTQPSVLTQPSVLTQPSVLTQPS 199

179 APRLLIYGNTRPFGVDPDRSGFSGKTSASLAITGLQADEADYICQFYDSLSGWVFG 238

200 APRLLIYKASLSASVPSRFSGSGSDFTLTISLQPEDFATYICQHYDSTPP--TFQ 257

Db

239 GTKLTV 244

258 GTRKDI 263

Db

258 GTRKDI 263

Db

258 GTRKDI 263

Db

258 GTRKDI 263

Db

258 GTRKDI 263

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258 GTRKDI 263

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258 GTRKDI 263

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258 GTRKDI 263

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258 GTRKDI 263

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258 GTRKDI 263

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258 GTRKDI 263

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258 GTRKDI 263

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258 GTRKDI 263

Db

258 GTRKDI 263

Db

258 GTRKDI 263

NUMBER OF SEQ ID NOS: 212

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 2

LENGTH: 240

TYPE: PRT

ORGANISM: Homo sapiens

US-09-192-854-2

Query Match

Best Local Similarity 65.8%; Score 855; DB 2; Length 240;

Matches 177; Conservative 18; Mismatches 41; Indels 10; Gaps 6;

Db

1 QVQLVESGGGLVQPGGSLRLSCAASGFTFSRYAMSWVRQAPGKLEWVSATISGRDNTYY 60

1 EVQLVESGGGLVQPGGSLRLSCAASGFTFSRYAMSWVRQAPGKLEWVSATISGSGSTYY 60

61 ADSVGRFTISRDNKNTLYIQMNSLRADPTAVYCAKMTSNAFAPDYWGQGLTVTVSSG 120

61 ADSVGRFTISRDNKNTLYIQMNSLRADPTAVYCAKMTSNAFAPDYWGQGLTVTVSSG 117

Db

121 GGGSGGGSGGGSGGSSQSV-LTQ-PPSVGAPGQRTITSCGSSSNTGAGYVHWYQOLPQT 178

118 GGGSGGGSGGGSGGSDTDIQTQPSVLTQPSVLTQPSVLTQPSVLTQPSVLTQPSVLTQPS 174

179 APRLLIYGNTRPFGVDPDRSGFSGKTSASLAITGLQADEADYICQFYDSLSGWVFG 238

175 APRLLIYKASLSASVPSRFSGSGSDFTLTISLQPEDFATYICQ-QSYSTPNTFQ 232

Db

239 GTKLTV 244

233 GTRKDI 238

Db

233 GTRKDI 238

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233 GTRKDI 238

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233 GTRKDI 238

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233 GTRKDI 238

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233 GTRKDI 238

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233 GTRKDI 238

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233 GTRKDI 238

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233 GTRKDI 238

Db

233 GTRKDI 238

Query Match

Best Local Similarity 65.8%; Score 855; DB 2; Length 240;

Matches 177; Conservative 18; Mismatches 41; Indels 10; Gaps 6;

Db

1 QVQLVESGGGLVQPGGSLRLSCAASGFTFSRYAMSWVRQAPGKLEWVSATISGRDNTYY 60

1 EVQLVESGGGLVQPGGSLRLSCAASGFTFSRYAMSWVRQAPGKLEWVSATISGSGSTYY 60

61 ADSVGRFTISRDNKNTLYIQMNSLRADPTAVYCAKMTSNAFAPDYWGQGLTVTVSSG 120

61 ADSVGRFTISRDNKNTLYIQMNSLRADPTAVYCAKMTSNAFAPDYWGQGLTVTVSSG 117

Db

121 GGGSGGGSGGGSGGSSQSV-LTQ-PPSVGAPGQRTITSCGSSSNTGAGYVHWYQOLPQT 178



CORRESPONDENCE ADDRESS:  
ADDRESSEE: Colin G. Sandercock, Esq. c/o Heller Ehrman  
White & McAuliffe  
STREET: 1666 K Street, N.W., Suite 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20006  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/490,070A  
FILING DATE: 24-Jan-2000  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: EP 95 11 3021.0  
FILING DATE: 18-AUG-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Colin G. Sandercock, Esq.  
REGISTRATION NUMBER: 31,298  
REFERENCE/DOCKET NUMBER: 37629-0005  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 912-2000  
TELEFAX: (202) 912-2020  
INFORMATION FOR SEQ ID NO: 178:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 281 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 178:  
US-09-490-070A-178  
Query Match 64.7%; Score 841.5; DB 2; Length 281;  
Best Local Similarity 68.8%; Pred. No. 2.3e-57;  
Matches 174; Conservative 23; Mismatches 45; Indels 11; Gaps 6;  
QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTPRSYAMSWVROAPGKLEWYSAISGSGDNTY 60  
DB 26 EVQLVSGGGLVQPGGSLRLSCAASGFTPSYAMSWVROAPGKLEWYSAISGSGSTY 85  
QY 61 ADSVKGRTISRDNKNTLYLQWNSLRADPTAVYYCAKMTSNAF-APDYWGQGLTVTS- 118  
DB 86 ADSVKGRTISRDNKNTLYLQWNSLRADPTAVYYCAKMGDGFYAMDYWGQGLTVTS 145  
QY 119 -----SGGGSGGGSGGGSGGOSVLTQPP-SVSGAPGQRTISCTGSSNIGA-CYG-VHW 171  
DB 146 AGGSGGGSGGGSGGGSGGSDIVMTQSPFLPTPGEPAISICRSGSLHNSGNYLDM 205  
QY 172 YQQLFGTAPKLLIYGNTNRPGVDPDRFGSKGTSASLAITGLQAEADYVYQGFYDSL 231  
DB 206 YLQKFGQSPQLLIYLSNRASGVDPDRFGSGSGIDFTLKISRVAEDVGVYICQDHITP 265  
QY 232 SGWVFGGFTKLTIV 244  
DB 266 P--TFQGQTKVEI 276  
RESULT 15  
US-09-490-153-178  
; Sequence 178, Application US/09490153  
; Patent No. 6706484  
; GENERAL INFORMATION:  
; APPLICANT: Knappik, Achim  
; Pack, Peter  
; Ilag, Vlc  
; Ge, Imiting  
; Moroney, Simon  
; Plueckthun, Andreas  
; TITLE OF INVENTION: Protein/(Poly)peptide libraries  
; NUMBER OF SEQUENCES: 373

CORRESPONDENCE ADDRESS:  
ADDRESSEE: James F. Haley, Jr., Esq. c/o Fish & Neave  
STREET: 1251 Avenue of the Americas  
CITY: New York  
STATE: New York  
COUNTRY: USA  
ZIP: 10021  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30 (EPO)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/490,153  
FILING DATE: 24-Jan-2000  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: EP 95 11 3021.0  
FILING DATE: 18-FEB-1998  
FILING DATE: 18-AUG-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: James F. Haley, Jr., Esq.  
REGISTRATION NUMBER: 27,794  
REFERENCE/DOCKET NUMBER: MORPHO/5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212)596-9000  
TELEFAX: (212)596-9090  
INFORMATION FOR SEQ ID NO: 178:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 281 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 178:  
US-09-490-153-178  
Query Match 64.7%; Score 841.5; DB 2; Length 281;  
Best Local Similarity 68.8%; Pred. No. 2.3e-57;  
Matches 174; Conservative 23; Mismatches 45; Indels 11; Gaps 6;  
QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTPRSYAMSWVROAPGKLEWYSAISGSGDNTY 60  
DB 26 EVQLVSGGGLVQPGGSLRLSCAASGFTPSYAMSWVROAPGKLEWYSAISGSGSTY 85  
QY 61 ADSVKGRTISRDNKNTLYLQWNSLRADPTAVYYCAKMTSNAF-APDYWGQGLTVTS- 118  
DB 86 ADSVKGRTISRDNKNTLYLQWNSLRADPTAVYYCAKMGDGFYAMDYWGQGLTVTS 145  
QY 119 -----SGGGSGGGSGGGSGGOSVLTQPP-SVSGAPGQRTISCTGSSNIGA-CYG-VHW 171  
DB 146 AGGSGGGSGGGSGGGSGGSDIVMTQSPFLPTPGEPAISICRSGSLHNSGNYLDM 205  
QY 172 YQQLFGTAPKLLIYGNTNRPGVDPDRFGSKGTSASLAITGLQAEADYVYQGFYDSL 231  
DB 206 YLQKFGQSPQLLIYLSNRASGVDPDRFGSGSGIDFTLKISRVAEDVGVYICQDHITP 265  
QY 232 SGWVFGGFTKLTIV 244  
DB 266 P--TFQGQTKVEI 276  
Search completed: March 17, 2006, 10:54:40  
Job time : 21.668 secs

*This Page Blank (uspto)*



Fri Mar 17 14:23:19 2006

GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2006, 11:08:22 ; Search time 111.406 Seconds  
(Without alignments)  
922.626 Million cell updates/sec

Title: US-09-250-056b-1

Sequence: 1 QVQVLSGGGLVPGGSLRL.....YDSLSGCVFGGKRLTVLG 246

Scoring table:

Gapop 10.0, Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: Published Applications\_AA.Main:\*  
1: /cgn2\_6/pcdata/1/puppa/US07\_PUBCOMB.pep.\*  
2: /cgn2\_6/pcdata/1/puppa/US08\_PUBCOMB.pep.\*  
3: /cgn2\_6/pcdata/1/puppa/US09\_PUBCOMB.pep.\*  
4: /cgn2\_6/pcdata/1/puppa/US10\_PUBCOMB.pep.\*  
5: /cgn2\_6/pcdata/1/puppa/US10B\_PUBCOMB.pep.\*  
6: /cgn2\_6/pcdata/1/puppa/US11\_PUBCOMB.pep.\*Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed.  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1300	100.0	246	US-10-855-755-1	Sequence 1, Appl1
2	1292	99.4	291	US-10-406-830-1	Sequence 1, Appl1
3	1292	99.4	291	US-10-406-830-2	Sequence 2, Appl1
4	1135.5	87.3	245	US-10-779-461-59	Sequence 59, Appl1
5	1132.5	87.1	251	US-10-800-197-15	Sequence 15, Appl1
6	1125.5	86.6	247	US-09-880-748-1892	Sequence 1892, Ap
7	1125.5	86.6	247	US-10-293-418-1892	Sequence 1892, Ap
8	1121.5	86.3	258	US-10-688-925-20	Sequence 20, Appl1
9	1115	85.8	248	US-11-017-030-51	Sequence 51, Appl1
10	1113.5	85.7	247	US-09-880-748-1978	Sequence 1978, Ap
11	1113.5	85.7	247	US-10-293-418-1978	Sequence 1978, Ap
12	1110.5	85.4	249	US-11-090-847-132	Sequence 132, App
13	1110.5	85.4	253	US-11-090-847-148	Sequence 148, App
14	1108	85.2	258	US-10-688-925-4	Sequence 4, Appl1
15	1096.5	84.3	247	US-10-688-925-8	Sequence 8, Appl1
16	1092.5	84.0	247	US-09-880-748-1953	Sequence 1953, Ap
17	1092.5	84.0	247	US-10-293-418-1953	Sequence 1953, Ap
18	1092.5	84.0	249	US-11-017-030-54	Sequence 54, Appl1
19	1092	84.0	252	US-09-880-748-1519	Sequence 1519, Ap
20	1092	84.0	252	US-10-293-418-1519	Sequence 1519, Ap
21	1089	83.8	245	US-11-021-438-25	Sequence 25, Appl1
22	1084	83.8	245	US-11-021-438-27	Sequence 27, Appl1
23	1084	83.2	238	US-10-779-461-1	Sequence 1, Appl1
24	1081	83.2	252	US-09-880-748-1362	Sequence 1362, Ap
25	1081	83.1	252	US-10-293-418-1362	Sequence 1362, Ap
26	1080	83.1	258	US-09-880-748-1841	Sequence 1841, Ap
27	1080	83.1	258	US-10-293-418-1841	Sequence 1841, Ap

28	1078	82.9	256	US-11-090-847-140	Sequence 140, App
29	1076.5	82.8	243	US-09-880-748-1969	Sequence 1969, Ap
30	1076.5	82.8	243	US-10-293-418-1969	Sequence 1969, Ap
31	1075.5	82.7	310	US-10-052-798-11	Sequence 11, Appl1
32	1075.5	82.7	310	US-10-288-917-11	Sequence 11, Appl1
33	1075.5	82.7	310	US-10-423-448-11	Sequence 11, Appl1
34	1072	82.5	250	US-11-090-847-136	Sequence 136, App
35	1069	82.2	252	US-09-880-748-1201	Sequence 1201, Ap
36	1069	82.2	252	US-10-293-418-1201	Sequence 1201, Ap
37	1065.5	82.0	262	US-10-688-925-2	Sequence 2, Appl1
38	1062	81.7	250	US-09-880-748-1420	Sequence 1420, Ap
39	1062	81.7	250	US-10-293-418-1420	Sequence 1420, Ap
40	1059.5	81.5	253	US-10-120-414-76	Sequence 76, Appl1
41	1059.5	81.5	253	US-10-992-195-76	Sequence 76, Appl1
42	1056	81.2	246	US-10-120-414-80	Sequence 80, Appl1
43	1056	81.2	246	US-10-992-195-80	Sequence 80, Appl1
44	1054.5	81.1	255	US-11-090-847-139	Sequence 139, App
45	1053.5	81.0	243	US-10-779-461-46	Sequence 46, Appl1

## ALIGNMENTS

Result 1  
US-10-855-755-1  
Sequence 1, Application US/10855755  
Publication No. US2005037339A1  
GENERAL INFORMATION  
APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA  
APPLICANT: Mats, James D  
APPLICANT: Boul, Marie A  
APPLICANT: Becerra, Balazs  
TYPE OF INVENTION: METHODS OF SELECTING INTERNALIZING ANTIBODIES  
FILE REFERENCE: 4070-650110US  
CURRENT APPLICATION NUMBER: US/10/855,755  
PRIORITY FILING DATE: 2004-05-26  
PRIORITY APPLICATION NUMBER: US 60/082,953  
PRIORITY FILING DATE: 1998-04-24  
NUMBER OF SEQ IDS: 4  
SOFTWARE: Patentin version 3.2  
SEQ ID NO 1  
LENGTH: 246  
TYPE: PRT  
ORGANISM: Artificial  
FEATURE:  
OTHER INFORMATION: Human phage display antibody  
NAME/KEY: SITE  
LOCATION: (31)..(35)  
OTHER INFORMATION: VH-CDR1  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (50)..(66)  
OTHER INFORMATION: VH-CDR2  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (99)..(108)  
OTHER INFORMATION: VH-CDR3  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (157)..(170)  
OTHER INFORMATION: VL-CDR1  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (186)..(192)  
OTHER INFORMATION: VL-CDR2  
FEATURE:  
NAME/KEY: SITE  
LOCATION: (225)..(235)  
OTHER INFORMATION: VL-CDR3  
US-10-855-755-1  
Query Match 100.0%; Score 1300; DB 5; Length 246;

Best Local Similarity 100.0%; Pred. No. 1e-80;  
Matches 246; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 QVQLVSGGGLVPGGSLRLSCAASGFTPRSYAMSWRQAPGKLEWVAISRGNITY 60
DB 1 QVQLVSGGGLVPGGSLRLSCAASGFTPRSYAMSWRQAPGKLEWVAISRGNITY 60
QY 61 ADSVKRFTISRDNKNTLYIQNNSLRADDTAVYYCAKMTSNAPADYWGQGLVTVSSG 120
DB 61 ADSVKRFTISRDNKNTLYIQNNSLRADDTAVYYCAKMTSNAPADYWGQGLVTVSSG 120
QY 121 GGGSGGGSGGSGSVLTQPPSVSGAPGQRTVISTGSSSNIAGYGVHWYQQLPGTAP 180
DB 121 GGGSGGGSGGSGSVLTQPPSVSGAPGQRTVISTGSSSNIAGYGVHWYQQLPGTAP 180
QY 181 KLIIYGNTRNPSGVPRFSGFKSGTSASLAITGLQADEADYYCQFYDSSLGWFVGGGT 240
DB 181 KLIIYGNTRNPSGVPRFSGFKSGTSASLAITGLQADEADYYCQFYDSSLGWFVGGGT 240
QY 241 KLTVLG 246
DB 241 KLTVLG 246

```

## RESULT 2

US-10-406-830-1

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; Sequence 1, Application US/10406830
; Publication No. US20040071696A1
; GENERAL INFORMATION:
; APPLICANT: ADAMS, GREGORY P.
; APPLICANT: HORAK, EVA M.
; APPLICANT: WEINER, LOUIS M.
; APPLICANT: JAMES, MARKS D.
; TITLE OF INVENTION: BISPECIFIC SINGLE CHAIN Fv ANTIBODY MOLECULES AND METHODS OF USE
; FILE REFERENCE: 407T-000410US
; CURRENT APPLICATION NUMBER: US/10/406, 830
; PRIOR FILING DATE: 2003-04-04
; PRIOR APPLICATION NUMBER: US 60/370, 276
; PRIOR FILING DATE: 2002-04-05
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.2
; LENGTH: 291
; TYPE: PRF
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic antibody.
US-10-406-830-1

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Query Match 99.4%; Score 1292; DB 4; Length 291;  
Best Local Similarity 99.6%; Pred. No. 4.2e-80;  
Matches 245; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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QY 1 QVQLVSGGGLVPGGSLRLSCAASGFTPRSYAMSWRQAPGKLEWVAISRGNITY 60
DB 23 QVQLVSGGGLVPGGSLRLSCAASGFTPRSYAMSWRQAPGKLEWVAISRGNITY 82
QY 61 ADSVKRFTISRDNKNTLYIQNNSLRADDTAVYYCAKMTSNAPADYWGQGLVTVSSG 120
DB 61 ADSVKRFTISRDNKNTLYIQNNSLRADDTAVYYCAKMTSNAPADYWGQGLVTVSSG 142
QY 121 GGGSGGGSGGSGSVLTQPPSVSGAPGQRTVISTGSSSNIAGYGVHWYQQLPGTAP 180
DB 143 GGGSGGGSGGSGSVLTQPPSVSGAPGQRTVISTGSSSNIAGYGVHWYQQLPGTAP 202
QY 181 KLIIYGNTRNPSGVPRFSGFKSGTSASLAITGLQADEADYYCQFYDSSLGWFVGGGT 240
DB 203 KLIIYGNTRNPSGVPRFSGFKSGTSASLAITGLQADEADYYCQFYDSSLGWFVGGGT 262
QY 241 KLTVLG 246
DB 263 KLTVLG 268

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## RESULT 3

US-10-406-830-2

```

; Sequence 2, Application US/10406830
; Publication No. US20040071696A1
; GENERAL INFORMATION:
; APPLICANT: ADAMS, GREGORY P.
; APPLICANT: HORAK, EVA M.
; APPLICANT: WEINER, LOUIS M.
; APPLICANT: JAMES, MARKS D.
; TITLE OF INVENTION: BISPECIFIC SINGLE CHAIN Fv ANTIBODY MOLECULES AND METHODS OF USE
; FILE REFERENCE: 407T-000410US
; CURRENT APPLICATION NUMBER: US/10/406, 830
; PRIOR FILING DATE: 2003-04-04
; PRIOR APPLICATION NUMBER: US 60/370, 276
; PRIOR FILING DATE: 2002-04-05
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn version 3.2
; LENGTH: 291
; TYPE: PRF
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: Synthetic antibody.
US-10-406-830-2

```

Query Match 99.4%; Score 1292; DB 4; Length 291;  
Best Local Similarity 99.6%; Pred. No. 4.2e-80;  
Matches 245; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

```

QY 1 QVQLVSGGGLVPGGSLRLSCAASGFTPRSYAMSWRQAPGKLEWVAISRGNITY 60
DB 23 QVQLVSGGGLVPGGSLRLSCAASGFTPRSYAMSWRQAPGKLEWVAISRGNITY 82
QY 61 ADSVKRFTISRDNKNTLYIQNNSLRADDTAVYYCAKMTSNAPADYWGQGLVTVSSG 120
DB 61 ADSVKRFTISRDNKNTLYIQNNSLRADDTAVYYCAKMTSNAPADYWGQGLVTVSSG 142
QY 121 GGGSGGGSGGSGSVLTQPPSVSGAPGQRTVISTGSSSNIAGYGVHWYQQLPGTAP 180
DB 143 GGGSGGGSGGSGSVLTQPPSVSGAPGQRTVISTGSSSNIAGYGVHWYQQLPGTAP 202
QY 181 KLIIYGNTRNPSGVPRFSGFKSGTSASLAITGLQADEADYYCQFYDSSLGWFVGGGT 240
DB 203 KLIIYGNTRNPSGVPRFSGFKSGTSASLAITGLQADEADYYCQFYDSSLGWFVGGGT 262
QY 241 KLTVLG 246
DB 263 KLTVLG 268

```

## RESULT 4

US-10-779-461-59

```

; Sequence 59, Application US/10779461
; Publication No. US2004016544A1
; GENERAL INFORMATION:
; APPLICANT: Morton, Philip A
; TITLE OF INVENTION: ANTIBODIES TO C-MET FOR THE TREATMENT OF CANCERS
; FILE REFERENCE: 00980/1
; CURRENT APPLICATION NUMBER: US/10/779,461
; PRIOR FILING DATE: 2004-02-13
; PRIOR APPLICATION NUMBER: 60/447, 073
; PRIOR FILING DATE: 2003-02-13
; NUMBER OF SEQ ID NOS: 161
; SOFTWARE: PatentIn version 3.2
; LENGTH: 245
; TYPE: PRF
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: phage display generated human antibody

```

US-10-779-461-59

Query Match	87.3%;	Score 1135.5;	DB 4;	Length 245;
Best Local Similarity	88.7%;	Pred. No. 1.6e-69;		
Matches 219;	Conservative 10;	Mismatches 15;	Indels 3;	Gaps 2;

Qy	1	OVOLVESGGGLVOPGGSLRLSCAASGTPFSYMSVPRQAPGKLEWSAISGGGDNTYY	60
	:	:	:
Db	1	EVOLVESGGGLVPRPGSLRLSCAASGTPFSYMSVPRQAPGKLEWSAISGGSGSTYY	60
Qy	61	ADSVYGRFPTISDNTSKNTLYLQNNLSRAEDTAYYYCAKWTNSAFAPDYMGGGLTYVYSSG	120
	:	:	:
Db	61	ADSVYGRFPTISDNTSKNTLYLQNNLSRAEDTAYYYCAK--DRRGVLDPMGCGMTVYVSSG	118
Qy	121	GGSGSGGGSGGGSGS--GSVLTQPPVSSAPQQRRTISSGSSSNIGAGGYMTQQLPGR	179
	:	:	:
Db	119	GGSGSGGGSGGGSGSAGSVLTQPPVSSAPQQRRTISSGSSSNIGAGDYMTQHLPGRA	178
Qy	180	PGLLLYGMNTNPSGVPRPFGSGFSGSASLAIATGQADPEADYYQPTDSLSGMYGGG	239
	:	:	:
Db	179	PELLLYGNSNRPSSGVPRPFGSGSGSASLAIISGLQADEADYYCQSYDSSLDMVFGGG	238
Qy	240	TLTLVTLG	246
	:	:	:
Db	239	TKATVTLG	245

### RESULT 5

US-10-800-197-15  
; Sequence 15, Application US/10800197  
; Publication No. US20040202655A1  
; Publication No. US20040202655A1

```

? APPLICANT:Moricon, Philip A et al.
? TITLE OF INVENTION: ANTIBODIES TO IGF-1 RECEPTOR FOR THE TREATMENT OF CANCERS
? FILE REFERENCE: 01343/1
? CURRENT APPLICATION NUMBER: US/10/800,197
? CURRENT FILING DATE: 2004-03-12
? PRIOR APPLICATION NUMBER: 60/455,094
? PRIOR FILING DATE: 2003-03-14
? NUMBER OF SEQ ID NOS: 157
? SOFTWARE: PatentIn version 3.2
? SEQ ID NO: 15
? LENGTH: 251
? TYPE: PRT
? ORGANISM: artificial
? FEATURE:
? OTHER INFORMATION: phase display generated antibody
? US-10-800-197-15

```

Query Match	87.1%;	Score 1132.5;	DB 4;	Length 251;
Best Local Similarity	86.9%;	Pred. No. 2.5e-69;		
Matches 218; Conservative	13;	Mismatches 15;	Indels 5;	Gaps 2;

Qy	1	VOVLVESGGGLVDPGGSLRLSCAAGFETFRSYAAMSWYRAQPGKGLMEVAISGRDNTYY	60
Db	1	EQVLLESGGGLVDPGGSLRLSCAAGFETFRSYAAMSWYRAQPGKGLMEVAISGSGSTYY	60
Qy	61	ADSVKGRFTTSPDSSKNITLYIQMNSLRADFTAVYYCAKMT---SNAFAFDYWGQGLTYT	116
Db	61	ADSVKGRFTTSPDSSKNITLYIQMNSLRADFTAVYYCARSPVPMADWYTFDYWGSGTMYT	120
Qy	117	VSSGGSGSGSGSGSGSGSGS--DSYLTQPPVSQAQPORLTISCTSSSNTGAGYGHYKWOOL	175
Db	121	VSSGGSGSGSGSGSGSGSGSADAVLTQPPSSVSAQPORLTISCTSSRNFAGYGDHWYQOF	180
Qy	176	PGTAPKLLIYGNNTNRPSGVDPDRPSGPKSGKSTASALATGLQADAEADLYYQCFDSSLSGMY	235
Db	181	PGTAPKLLIYGNNTNRPSGVDPDRPSGSRSGTSSALATGLQADEADLYYQCFDSSMLSGSV	240
Qy	236	FGGSGTKLTITVLG	246
Db	241	FGGSGTKYTVLG	251

RESULT 6  
US-09-880-748-1892

```

? TITLE OR INVENTION: Antibodies that Immunosppecifically Bind BlyS
?
? FILE REFERENCE: PF523
?
? CURRENT APPLICATION NUMBER: US/09/880,748
?
? PRIOR FILING DATE: 2001-06-15
?
? PRIOR APPLICATION NUMBER: 60/212,220
?
? PRIOR FILING DATE: 2000-06-15
?
? PRIOR APPLICATION NUMBER: 60/240,816
?
? PRIOR FILING DATE: 2000-10-17
?
? PRIOR APPLICATION NUMBER: 60/276,248
?
? PRIOR FILING DATE: 2000-03-21
?
? PRIOR APPLICATION NUMBER: 60/277,379
?
? PRIOR FILING DATE: 2001-03-21
?
? PRIOR APPLICATION NUMBER: 60/293,459
?
? PRIOR FILING DATE: 2001-05-25
?
? NUMBER OF SEQ ID NOS: 3239
?
? SOFTWARE: PatentIn Ver. 2.0
?
? SEQ ID NO: 1892
?
? LENGTH: 247
?
? TYPE: PRT
?
? ORGANISM: Homo sapiens
?
? OS-09-880-748-1892

```

Query Match	86.6%;	Score 1125.5;	DB 3;	Length 247;
Best Local Similarity	87.4%;	Pred. No. 7.5e-69;		
Matches 216;	Conservative 12;	Mismatches 18;	Indels 1;	Gaps. 1.

Qy	1	IVOLVESHGGGLVQPGSGSLVLSCAASGFFPSFYSAMSWRAAPKGLIEWVLSATSGNDITY	60
Db	1	QVTLKEGEGGLVQPGSGSLVLSCAASGTLFPMFSYAMTWRAAPGKGLIEWVLSISGNDITY	60
Qy	61	ADSVKGFITSRNSKNITLYLOMNSLRADPTAYVYCAKMTSNAAPFDVYGGGTLYTVSSG	120
Db	61	GDVSRGFITSRNSKNITLYLOMNSLRADPTAYVCAKXHSNGVAFEMWGGTLYTVSSG	120
Qy	121	GGSGGGGGSGSGGGS-OSVLTQTPSPVSGAPRORTISCTSSSNTIAGVGMVYQQLAGTA	179
Db	121	GGSGGGGGSGGGGSAOSVLTQPPVSGAPRORTISCTSSSNTIAGNVMMYQQLAGTA	180
Qy	180	PKLLIYNTMRPESGVDPDSGKSGTSSSLATVGLQAEDEALVYQCFDSTLSGVRCGG	239
Db	181	PKLLISNTMRPESGVDPDSGKSGTSSSLATVGLQAEDEALVYQCFDSTLSLSGVVGTG	240

RESULT 7  
US-10-293-418-1892

APPLICANT: Ruden et al.  
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blyss  
FILE REFERENCE: pfs23p2  
CURRENT APPLICATION NUMBER: US/10/293,418  
CURRENT FILING DATE: 2002-11-27  
PRIOR APPLICATION NUMBER: 60/331,469  
PRIOR FILING DATE: 2001-11-16  
PRIOR APPLICATION NUMBER: 60/340,817  
PRIOR FILING DATE: 2001-12-19  
PRIOR APPLICATION NUMBER: 09/880,748  
PRIOR FILING DATE: 2001-06-15  
PRIOR APPLICATION NUMBER: 60/293,499  
PRIOR FILING DATE: 2001-05-25  
PRIOR APPLICATION NUMBER: 60/277,379

```

; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-16
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1892
; LENGTH: 247
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-293-418-1892

```

```

Query Match      86.6%; Score 1125.5; DB 4; Length 247;
Best Local Similarity 87.4%; Pred. No. 7.5e-69;
Matches 216; Conservative 12; Mismatches 18; Indels 1; Gaps 1;

```

```

QY 1 QVQLVESGGGLVPGGSLRLSCAASGFTFRSAMSVRQAPGKGLEWVSATISGRGNTYY 60
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1 QVTLKSSGGDLVPGGSLRLSCAASGLTFMSYMTWRQAPGKGLEWVSATISGSGNTYY 60
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 61 ADSVKGRFTISRDNKNTLYLQNMNLSRAEDTAVYYCAKMTSNAPFDYWGQGLTVTVSS 120
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 61 GDSVRGRFTISRDNKNTLYLQNMNLSRAEDTAVYYCAKMTSNAPFDYWGQGLTVTVSS 120
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 121 GGGSGGGSGGGSGGGSG-QSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGYGVHWYQQLPGTA 179
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 121 GGGSGGGSGGGSGGGSGAQSIVLTQPPSVSGAPGQRTVITCTGSSSNIGAGYGVHWYQQLPGTA 180
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 180 PKLLIYGNTNRPSGVDPDRPSGFGSGTSASLAITGLQAEDEADYYCQFYDSSISGWFVFG 239
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 181 PRLLISNTNRPSGVDPDRPSGFGSGTSASLAITGLQAEDEADYYCQFYDSSISGWFVFG 240
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 240 TKLTVLG 246
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 241 TKVTVLG 247
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

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RESULT 8
US-10-688-925-20
; Sequence 20, Application US/10688925
; Publication No. US20040142382A1
; GENERAL INFORMATION:
; APPLICANT: Vejdman, Geerttruida et al.
; TITLE OF INVENTION: NEUTRALIZING ANTIBODIES AGAINST GDF 8 AND USES THEREFOR
; FILE REFERENCE: 08702.0020-00000
; CURRENT APPLICATION NUMBER: US/10/688,925
; CURRENT FILING DATE: 2003-10-21
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 20
; LENGTH: 258
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-688-925-20

```

```

Query Match      86.3%; Score 1121.5; DB 4; Length 258;
Best Local Similarity 86.3%; Pred. No. 1.5e-68;
Matches 215; Conservative 13; Mismatches 18; Indels 3; Gaps 2;

```

```

QY 1 QVQLVESGGGLVPGGSLRLSCAASGFTFRSAMSVRQAPGKGLEWVSATISGRGNTYY 60
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1 EVQLLESGGGLVPGGSLRLSCAASGFTFRSRYVINWRQAPGKGLEWVSATISVTVGSSTAY 60
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 61 ADSVKGRFTISRDNKNTLYLQNMNLSRAEDTAVYYCAK--MTSNAPFDYWGQGLTVTVSS 118
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 61 ADSVKGRFTISRDNKNTLYLQNMNLSRAEDTAVYYCAKQWERSYFDYWGRTLVTVSS 120
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 119 GGGSGGGSGGGSGGGSG-QSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGYGVHWYQQLPG 177
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 121 SGGSGGGSGGGSGGGSGAQSIVLTQPPSVSGAPGQRTVITCTGSSSNIGAGYGVHWYQQLPG 180
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

```

QY 178 TAPKLLIYGNTNRPSGVDPDRPSGFGSGTSASLAITGLQAEDEADYYCQFYDSSISGWFVFG 237
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 181 TAPKLLIYNSHRPSGVDPDRPSGFGSGTSASLAITGLQAEDEADYYCHSYDGSVSGMIFG 240
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 238 GGTKLTVLG 246
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 241 GGTKLTVLG 249
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

```

RESULT 9
US-11-017-030-51
; Sequence 51, Application US/11017030
; Publication No. US20050158313A1
; GENERAL INFORMATION:
; APPLICANT: Rosen, et al.
; TITLE OF INVENTION: Antibodies that Specifically Bind to Reg IV
; FILE REFERENCE: PF592PCT
; CURRENT APPLICATION NUMBER: US/11/017,030
; CURRENT FILING DATE: 2004-12-21
; PRIOR APPLICATION NUMBER: PCT/US03/19908
; PRIOR FILING DATE: 2003-06-26
; PRIOR APPLICATION NUMBER: 60/392,382
; PRIOR FILING DATE: 2002-07-01
; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 51
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: scfv protein RGD0123
US-11-017-030-51

```

```

Query Match      85.8%; Score 1115; DB 6; Length 248;
Best Local Similarity 88.7%; Pred. No. 3.9e-68;
Matches 220; Conservative 7; Mismatches 19; Indels 2; Gaps 2;

```

```

QY 1 QVQLVESGGGLVPGGSLRLSCAASGFTFRSAMSVRQAPGKGLEWVSATISGRGNTYY 60
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 1 EVQLLESGGGLVPGGSLRLSCAASGFTFRSAMSVRQAPGKGLEWVSATISGSGSTYY 60
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 61 ADSVKGRFTISRDNKNTLYLQNMNLSRAEDTAVYYCAKMTSNAPFDYWGQGLTVTVSS 119
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 61 ADSVKGRFTISRDNKNTLYLQNMNLSRAEDTAVYYCARVAASGLDADFIMGGQGLTVTVSS 120
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 120 GGGSGGGSGGGSGGGSG-QSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGYGVHWYQQLPGTA 178
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 121 GGGSGGGSGGGSGGGSGAQSIVLTQPPSVSGAPGQRTVITCTGSSSNIGAGYGVHWYQQLPGTA 180
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 179 APKLLIYGNTNRPSGVDPDRPSGFGSGTSASLAITGLQAEDEADYYCQFYDSSISGWFVFG 238
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 181 APKLLIYGNTNRPSGVDPDRPSGFGSGTSASLAITGLQAEDEADYYCQFYDSSISGWFVFG 240
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 239 GTKLTVLG 246
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 241 GTKLTVLG 248
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

```

```

RESULT 10
US-09-880-748-1978
; Sequence 1978, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunosepecifically Bind Blys
; FILE REFERENCE: PF523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248

```



```

; Publication No. US20050215770A1
; GENERAL INFORMATION:
; APPLICANT: Bell, et al.
; TITLE OF INVENTION: Antibodies Against Nogo Receptor
; FILE REFERENCE: PF609
; CURRENT APPLICATION NUMBER: US/11/090,847
; PRIOR FILING DATE: 2005-03-25
; PRIOR APPLICATION NUMBER: US 60/556,386
; PRIOR FILING DATE: 2004-03-26
; NUMBER OF SEQ ID NOS: 249
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 148
; LENGTH: 253
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: scfv protein NGG2251
US-11-090-847-148

```

```

Query Match      85.4%; Score 1110.5; DB 6; Length 253;
Best Local Similarity 86.2%; Pred. No. 8e-68;
Matches 218; Conservative 13; Mismatches 15; Indels 7; Gaps 3;

```

```

QY      1 QVQLVESGGGLVPGGSLRLSCAASGFTFRSYAMSVWRQAPGKGLEWVSATISGRGNTYY 60
      1 EVQLLESGGGLVPGGSLRLSCAASGFTFSYAMSVWRQAPGKGLEWVSATISGGSGTTY 60
DB      1
QY      61 ADSVKGRFTISRDNKNTLYLQNMNLSRAEDTAVYYCAK--MTSNAF--APDYWGCTL 114
      61 ADSVKGRFTISRDNKNTLYLQNMNLSRAEDTAVYYCAKEEYVYCARREYVYDIFLGNAPDIFWGQSTL 120
DB      61
QY      115 VTVSSGGGSGGGSGGGSGGGG--QSVLTQPPSVGAPGQRTVITCTGSSSNIGAGYGVWYQ 173
      121 VTVSSGGGSGGGSGGGSGGGGASQSVLTQPPSVGALGQRTVITCTGSSSNIGAGYDLMWYQ 180
DB      121
QY      174 QLPETAPKLLIYGNTPNPSGVDPDRFSGFKSGTSASLAITGLQAEDEADYICQFYDSSLG 233
      181 QLPETAPKLLIYGNANPSPGVDPDRFSGKSGTSASLAITGLRADDEADYICQSYDNRSLG 240
DB      181
QY      234 WVRGGGKLTIVLG 246
      241 VIFGGGKLTIVLG 253
DB      241

```

```

RESULT 14
US-11-017-030-4
; Sequence 4, Application US/11017030
; Publication No. US20050158313A1
; GENERAL INFORMATION:
; APPLICANT: Rosen, et al.
; TITLE OF INVENTION: Antibodies that Specifically Bind to Reg IV
; FILE REFERENCE: PPS92PCT
; CURRENT APPLICATION NUMBER: US/11/017,030
; PRIOR FILING DATE: 2004-12-21
; PRIOR APPLICATION NUMBER: PCT/US03/19908
; PRIOR FILING DATE: 2003-06-26
; PRIOR APPLICATION NUMBER: 60/392,382
; PRIOR FILING DATE: 2002-07-01
; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 4
; LENGTH: 248
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: scfv protein R8B0104
US-11-017-030-4

```

```

Query Match      85.2%; Score 1108; DB 6; Length 248;
Best Local Similarity 87.5%; Pred. No. 1.2e-67;
Matches 217; Conservative 8; Mismatches 21; Indels 2; Gaps 2;
QY      1 QVQLVESGGGLVPGGSLRLSCAASGFTFRSYAMSVWRQAPGKGLEWVSATISGRGNTYY 60

```

```

DB      1 EVQLLESGGGLVPGGSLRLSCAASGFTFSYAMSVWRQAPGKGLEWVSATISGGSGTTY 60
      1
QY      61 ADSVKGRFTISRDNKNTLYLQNMNLSRAEDTAVYYCAKMTSNAFAFDYWGCTIVTVSSG 120
      61 ADSVKGRFTISRDNKNTLYLQNMNLSRAEDTAVYYCARDRNRTOLESGKGLTVTVSSG 120
DB      61
QY      121 GGGSGGGSGGGSGGGG--QSVLTQPPSVGAPGQRTVITCTGSSSNIGAGYGVWYQQLPQTA 179
      121 GGGSGGGSGGGSGGGGASQSVLTQPPSVGAPGQRTVITCTGSSSNIGADYDVHWYQHHPGTA 180
DB      121
QY      180 PKLLIYGNTPNPSGVDPDRFSGFKSGTSASLAITGLQAEDEADYICQFYDSSLSGM-VREG 238
      181 PRLIYDNTNRPSPGVDPDRFSGKSGTSASLAITGLQAEDEADYICQSYDASLSGVVFGG 240
DB      181
QY      239 GTKLTIVLG 246
      241 GTKLTIVLG 248
DB      241

```

```

RESULT 15
US-10-688-925-8
; Sequence 8, Application US/10688925
; Publication No. US20040142382A1
; GENERAL INFORMATION:
; APPLICANT: Veldman, Geertuida et al.
; TITLE OF INVENTION: NEUTRALIZING ANTIBODIES AGAINST GDF 8 AND USES THEREFOR
; FILE REFERENCE: 08702.0020-00000
; CURRENT APPLICATION NUMBER: US/10/688,925
; PRIOR FILING DATE: 2003-10-21
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 258
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-688-925-8

```

```

Query Match      84.3%; Score 1096.5; DB 4; Length 258;
Best Local Similarity 84.7%; Pred. No. 7.3e-67;
Matches 211; Conservative 12; Mismatches 23; Indels 3; Gaps 2;

```

```

QY      1 QVQLVESGGGLVPGGSLRLSCAASGFTFRSYAMSVWRQAPGKGLEWVSATISGRGNTYY 60
      1 QVTLKESGGGLVPGGSLRLSCAASGFTFSRYVINWVRQAPGKLEWVSATISVTGGSTAY 60
DB      1
QY      61 ADSVKGRFTISRDNKNTLYLQNMNLSRAEDTAVYYCAK--MTSNAPAFDYWGCTIVTVS 118
      61 ADSVKGRFTISRDNKNTLYLQNMNLSRAEDTAVYYCTKGQWERSYTFDYWGKGLTVTVS 120
DB      61
QY      119 SGGSGGGSGGGSGGGG--QSVLTQPPSVGAPGQRTVITCTGSSSNIGAGYGVWYQQLPG 177
      121 SGGSGGGSGGGSGGGGASQSVLTQPPSVGAPGQRTVITCTGSSSNIGADYDVHWYQQLPG 180
DB      121
QY      178 TAPKLLIYGNTPNPSGVDPDRFSGFKSGTSASLAITGLQAEDEADYICQFYDSSLGWFVG 237
      181 TAPKLLIYGNSHRPSGVDPDRFSKSGTSASLAITGLQAEDEADYICHSYDGSVSGWIFG 240
DB      181
QY      238 GGTLTIVLG 246
      241 GGTLTIVLG 249
DB      241

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Search completed: March 17, 2006, 11:12:55
Job time : 112.406 secs

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GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2006, 11:09:21 ; Search time 14.6189 Seconds  
(without alignments)  
481.654 Million cell updates/sec

Title: US-09-250-056b-1  
Sequence: 1 QVLTVEGGLVPGSGSLRL.....YDSISGVWFGGKTLVIG 246

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 169630 seqs, 28622889 residues

Total number of hits satisfying chosen parameters: 169630

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA New.\*  
1: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*  
2: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/PCF\_NEW\_PUB.pep.\*  
5: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*  
6: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
7: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep.\*  
8: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1125.5	86.6	247	US-11-054-515-1892	Sequence 1892, Ap
2	1121.5	86.3	258	US-11-201-825-25	Sequence 25, Ap
3	1113.5	85.7	247	US-11-054-515-1978	Sequence 1978, Ap
4	1096.5	84.3	258	US-11-201-825-8	Sequence 8, Appl
5	1092.5	84.0	247	US-11-054-515-1953	Sequence 1953, Ap
6	1092.5	84.0	252	US-11-054-515-1573	Sequence 1573, Ap
7	1081	83.2	252	US-11-054-515-1362	Sequence 1362, Ap
8	1080	83.1	258	US-11-054-515-1841	Sequence 1841, Ap
9	1076.5	82.8	243	US-11-054-515-1969	Sequence 1969, Ap
10	1075.5	82.8	310	US-11-245-053-11	Sequence 11, Appl
11	1069	82.2	252	US-11-054-515-1201	Sequence 1201, Ap
12	1065.5	82.0	262	US-11-201-825-9	Sequence 9, Appl
13	1062	81.7	250	US-11-054-515-1420	Sequence 1420, Ap
14	1048	80.6	250	US-11-054-515-1461	Sequence 1461, Ap
15	1044	80.3	248	US-11-054-515-1890	Sequence 1890, Ap
16	1043	80.2	240	US-11-054-515-1905	Sequence 1905, Ap
17	1039	79.9	240	US-11-054-515-2016	Sequence 2016, Ap
18	1039	79.9	240	US-11-054-515-1458	Sequence 1458, Ap
19	1037	79.8	240	US-11-054-515-2030	Sequence 2030, Ap
20	1037	79.8	240	US-11-054-515-2044	Sequence 2044, Ap
21	1035	79.6	240	US-11-054-515-2025	Sequence 2025, Ap
22	1035	79.6	240	US-11-054-515-2048	Sequence 2048, Ap
23	1035	79.6	240	US-11-054-515-2108	Sequence 2108, Ap
24	1034	79.5	240	US-11-054-515-2105	Sequence 2105, Ap
25	1033	79.5	240	US-11-054-515-2007	Sequence 2007, Ap

26	1032.5	79.4	253	US-11-054-515-858	Sequence 858, Ap
27	1032	79.4	240	US-11-054-515-2045	Sequence 2045, Ap
28	1031	79.3	240	US-11-054-515-2117	Sequence 2117, Ap
29	1028	79.1	240	US-11-054-515-2029	Sequence 2029, Ap
30	1028	79.1	240	US-11-054-515-2113	Sequence 2113, Ap
31	1027.5	79.0	247	US-11-054-515-2092	Sequence 2092, Ap
32	1027	79.0	240	US-11-054-515-2041	Sequence 2041, Ap
33	1026	78.9	256	US-11-054-515-1183	Sequence 1183, Ap
34	1025.5	78.9	251	US-11-054-515-1542	Sequence 1542, Ap
35	1012.5	77.9	239	US-11-054-515-2034	Sequence 2034, Ap
36	1010.5	77.7	245	US-11-054-515-3241	Sequence 3241, Ap
37	1009	77.6	256	US-11-054-515-2119	Sequence 2119, Ap
38	1005	77.3	252	US-11-054-515-988	Sequence 988, Ap
39	1003	77.2	240	US-11-054-515-2047	Sequence 2047, Ap
40	999	76.8	242	US-11-054-515-1949	Sequence 1949, Ap
41	996	76.6	240	US-11-054-515-1930	Sequence 1930, Ap
42	994.5	76.5	249	US-11-054-515-1956	Sequence 1956, Ap
43	994.5	76.5	251	US-11-054-515-1411	Sequence 1411, Ap
44	994	76.5	246	US-11-054-515-1324	Sequence 1324, Ap
45	992.5	76.3	253	US-11-054-515-989	Sequence 989, Ap

## ALIGNMENTS

RESULT 1  
US-11-054-515-1892  
Sequence 1892, Application US/11054515  
Publication No. US2005025532A1  
GENERAL INFORMATION:  
APPLICANT: Ruben et al.  
TITLE OF INVENTION: Antibodies that Immunospecifically Bind BLys  
FILE REFERENCE: PEP523P  
CURRENT FILING DATE: 2005-02-10  
PRIOR APPLICATION NUMBER: US/11/054,515  
PRIOR FILING DATE: 2004-02-11  
PRIOR APPLICATION NUMBER: 60/543,296  
PRIOR FILING DATE: 2004-06-18  
PRIOR APPLICATION NUMBER: 10/293,418  
PRIOR FILING DATE: 2002-11-14  
PRIOR APPLICATION NUMBER: 60/331,469  
PRIOR FILING DATE: 2001-11-16  
PRIOR APPLICATION NUMBER: 60/340,817  
PRIOR FILING DATE: 2001-12-19  
PRIOR APPLICATION NUMBER: 09/880,748  
PRIOR FILING DATE: 2001-06-15  
PRIOR APPLICATION NUMBER: 60/293,499  
PRIOR FILING DATE: 2001-05-25  
PRIOR APPLICATION NUMBER: 60/277,379  
PRIOR FILING DATE: 2001-03-21  
PRIOR APPLICATION NUMBER: 60/276,248  
PRIOR FILING DATE: 2001-03-16  
PRIOR APPLICATION NUMBER: 60/240,816  
PRIOR FILING DATE: 2000-10-17  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 3247  
SEQ ID NO 1892  
LENGTH: 247  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-11-054-515-1892  
Query Match 86.6%, Score 1125.5, DB 7, Length 247,  
Best Local Similarity 87.4%, Pred. No. 2.5e-72,  
Matches 216, Conservative 12, Mismatches 18, Indels 1, Gaps 1,  
CQ 1 QVLTVEGGLVPGSGSLRLSCASGFTFRSYAMSWYRQAPGKGLEWVAISGRDNTYY 60  
Db 1 QVLTVEGGLVPGSGSLRLSCASGFTFRSYAMSWYRQAPGKGLEWVAISGRDNTYY 60  
CY 61 ADVYGRFTSRNSKNTLYLQMSLRAPEDYAVYCAKMTSNAPFDYGGCTLVTVSSG 120

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Db      61 GDSVGRFTISRDNKNTLFLQNSLRAEDTAFYCAKHSVTGYAFENMGRTLVTVSSG 120
Qy      121 GGGSGGGSGGGGS-QSVLTQPPSVSGAPQQRVTISCTGSSSNIGAGYVHWYQQLPRTA 179
Db      121 GGGSGGGSGGGGSASQSVLTQPPSVSGAPQQRVTISCTGSSSNIGAGYVHWYQQLPRTA 180
Qy      180 PKLLIYGNTRPSPGVPDRFSGFKSGTASLAITGLQAEADADYYCQFYDSSLGWFVGGG 239
Db      181 PRLISNTRPSPGVPDRFSGFKSGTASLAITGLQAEADADYYCQFYDSSLGWFVGGG 240
Qy      240 TKLTVLG 246
Db      241 TKLTVLG 247

RESULT 2
US-11-201-825-25
; Sequence 25, Application US/11201825
; Publication No. US20060034831A1
; GENERAL INFORMATION:
; APPLICANT: TOBIN, JAMES F.
; TITLE OF INVENTION: COMBINATION THERAPY FOR DIABETES, OBESITY, AND
; FILE REFERENCE: 08702.0106-00000
; CURRENT APPLICATION NUMBER: US/11/201,825
; PRIOR FILING DATE: 2005-08-11
; PRIOR APPLICATION NUMBER: 60/600,784
; PRIOR FILING DATE: 2004-08-12
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 25
; LENGTH: 258
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-201-825-25

Query Match      86.3%; Score 1121.5; DB 7; Length 258;
Best Local Similarity 86.3%; Pred. No. 4.9e-72;
Matches 215; Conservative 13; Mismatches 18; Indels 3; Gaps 2;

Qy      1 QVQLVESGGGLVPGGSLRLSCAASGFTFRSYAMSWVRQAPGKLEWVSATISGRDNTYY 60
Db      1 EVQLVESGGGLVPGGSLRLSCAASGFTFRSYVINWVRQAPGKLEWVSATISVTSSTAY 60
Qy      61 ADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYYCAK--MTSNAPADYWGQGLTVVSSG 118
Db      61 ADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYYCAKQWERGSYTFDWRGTLTVSS 120
Qy      119 SGGSGGGSGGGGS-QSVLTQPPSVSGAPQQRVTISCTGSSSNIGAGYVHWYQQLPRTA 177
Db      121 SGGSGGGSGGGGSASQSVLTQPPSVSGAPQQRVTISCTGSSSNIGAGYVHWYQQLPRTA 180
Qy      178 TAPKLLIYGNTRPSPGVPDRFSGFKSGTASLAITGLQAEADADYYCQFYDSSLGWFVGG 237
Db      181 TAPKLLIYGNTRPSPGVPDRFSGFKSGTASLAITGLQAEADADYYCHSYDGSYSGWIFG 240
Qy      238 GGTGLTVLG 246
Db      241 GGTGLTVLG 249

RESULT 3
US-11-054-515-1978
; Sequence 1978, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BlyS
; FILE REFERENCE: P523p3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
```

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; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1978
; LENGTH: 247
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1978

Query Match      85.7%; Score 1113.5; DB 7; Length 247;
Best Local Similarity 85.8%; Pred. No. 1.7e-71;
Matches 212; Conservative 14; Mismatches 20; Indels 1; Gaps 1;

Qy      1 QVQLVESGGGLVPGGSLRLSCAASGFTFRSYAMSWVRQAPGKLEWVSATISGRDNTYY 60
Db      1 EVQLVETGGGLVPGGSLRLSCAASGLTFSSYAMTWVRQAPGKLEWVSATISGAGNTYH 60
Qy      61 ADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMTSNAPADYWGQGLTVVSSG 120
Db      61 ADSVKGRFTISRDNKNTLYLQNNSLRAEDTAVYYCAKQVGFYEWQGLTVVSSG 120
Qy      121 GGGSGGGSGGGGS-QSVLTQPPSVSGAPQQRVTISCTGSSSNIGAGYVHWYQQLPRTA 179
Db      121 GGGSGGGSGGGGSASQSVLTQPPSVSGAPQQRVTISCTGSSSNIGAGYVHWYQQLPRTA 180
Qy      180 PKLLIYGNTRPSPGVPDRFSGFKSGTASLAITGLQAEADADYYCQFYDSSLGWFVGGG 239
Db      181 PKLLIFGNTRPSPGVPDRFSGFKSGTASLAITGLQAEADADYYCQFYDSSLGWFVGGG 240
Qy      240 TKLTVLG 246
Db      241 TKLTVLG 247

RESULT 4
US-11-201-825-8
; Sequence 8, Application US/11201825
; Publication No. US20060034831A1
; GENERAL INFORMATION:
; APPLICANT: TOBIN, JAMES F.
; TITLE OF INVENTION: COMBINATION THERAPY FOR DIABETES, OBESITY, AND
; FILE REFERENCE: 08702.0106-00000
; CURRENT APPLICATION NUMBER: US/11/201,825
; CURRENT FILING DATE: 2005-08-11
; PRIOR APPLICATION NUMBER: 60/600,784
; PRIOR FILING DATE: 2004-08-12
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 8
; LENGTH: 258
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-201-825-8

Query Match      84.3%; Score 1096.5; DB 7; Length 258;
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Best Local Similarity 84.7%; Pred. No. 2.8e-70;  
Matches 211; Conservative 12; Mismatches 23; Indels 3; Gaps 2;

QY 1 QVQLVSGGGLVQPGSGLRLSCAASGFTFRSYAMSWVRQAPKGLIEWVAISRGNDITY 60  
Db 1 QVQLVSGGGLVQPGSGLRLSCAASGFTFRSYAMSWVRQAPKGLIEWVAISRGNDITY 60  
QY 61 ADSVKGRTISRDNKNTLYLQWNSLRADDTAVYYCAK--MTSNAFAPDYWGQGLTV 118  
Db 61 ADSVKGRTISRDNKNTLYLQWNSLRADDTAVYYCAK--MTSNAFAPDYWGQGLTV 120  
QY 119 SGGSGSGGGSGGGSG--QSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGVGMVYQQLPG 177  
Db 121 SGGSGSGGGSGGGSG--QSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGVGMVYQQLPG 180  
QY 178 TAPKLLIYGNTRPSPGVPDRFSGFGTSASLAITGLQAEDEADYYCOFYDSLSGWVFG 237  
Db 181 TAPKLLIYGNTRPSPGVPDRFSGFGTSASLAITGLQAEDEADYYCOFYDSLSGWVFG 240  
QY 238 GGTKLTVLG 246  
Db 241 GGTKLTVLG 249

RESULT 5  
US-11-054-515-1953  
Sequence 1953, Application US/11054515  
Publication No. US2005025532A1  
GENERAL INFORMATION:  
APPLICANT: Ruben et al.  
TITLE OF INVENTION: Antibodies that Immunoselectively Bind Blys  
FILE REFERENCE: P523P3  
CURRENT FILING DATE: 2005-02-10  
PRIOR FILING DATE: 2004-02-11  
PRIOR APPLICATION NUMBER: 60/543,296  
PRIOR FILING DATE: 2004-06-15  
PRIOR APPLICATION NUMBER: 60/580,347  
PRIOR FILING DATE: 2004-06-18  
PRIOR APPLICATION NUMBER: 10/293,418  
PRIOR FILING DATE: 2002-11-14  
PRIOR APPLICATION NUMBER: 60/331,469  
PRIOR FILING DATE: 2001-11-16  
PRIOR APPLICATION NUMBER: 60/340,817  
PRIOR FILING DATE: 2001-12-19  
PRIOR APPLICATION NUMBER: 09/880,748  
PRIOR FILING DATE: 2001-06-15  
PRIOR APPLICATION NUMBER: 60/293,499  
PRIOR FILING DATE: 2001-05-25  
PRIOR APPLICATION NUMBER: 60/277,379  
PRIOR FILING DATE: 2001-03-21  
PRIOR APPLICATION NUMBER: 60/276,248  
PRIOR FILING DATE: 2001-03-16  
PRIOR APPLICATION NUMBER: 60/240,816  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 3247  
SEQ ID NO 1953  
LENGTH: 247  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-11-054-515-1953

Query Match 84.0%; Score 1092.5; DB 7; Length 247;  
Best Local Similarity 85.8%; Pred. No. 5.1e-70;  
Matches 212; Conservative 10; Mismatches 24; Indels 1; Gaps 1;

QY 1 QVQLVSGGGLVQPGSGLRLSCAASGFTFRSYAMSWVRQAPKGLIEWVAISRGNDITY 60  
Db 1 QVQLVSGGGLVQPGSGLRLSCAASGFTFRSYAMSWVRQAPKGLIEWVAISRGNDITY 60  
QY 61 ADSVKGRTISRDNKNTLYLQWNSLRADDTAVYYCAKMTSNAFAPDYWGQGLTV 120  
Db 61 ADSVKGRTISRDNKNTLYLQWNSLRADDTAVYYCAKMTSNAFAPDYWGQGLTV 120

QY 121 GGGSGGGSGGGSG--QSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGVGMVYQQLPG 179  
Db 121 GGGSGGGSGGGSG--QSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGVGMVYQQLPG 180  
QY 180 PVLIIYGNTRPSPGVPDRFSGFGTSASLAITGLQAEDEADYYCOFYDSLSGWVFG 239  
Db 181 PVLIIYGNTRPSPGVPDRFSGFGTSASLAITGLQAEDEADYYCOFYDSLSGWVFG 240  
QY 240 TKTVTVLG 246  
Db 241 TKTVTVLG 247

RESULT 6  
US-11-054-515-1519  
Sequence 1519, Application US/11054515  
Publication No. US2005025532A1  
GENERAL INFORMATION:  
APPLICANT: Ruben et al.  
TITLE OF INVENTION: Antibodies that Immunoselectively Bind Blys  
FILE REFERENCE: P523P3  
CURRENT FILING DATE: 2005-02-10  
PRIOR FILING DATE: 2004-02-11  
PRIOR APPLICATION NUMBER: 60/543,296  
PRIOR FILING DATE: 2004-06-15  
PRIOR APPLICATION NUMBER: 60/580,347  
PRIOR FILING DATE: 2004-06-18  
PRIOR APPLICATION NUMBER: 10/293,418  
PRIOR FILING DATE: 2002-11-14  
PRIOR APPLICATION NUMBER: 60/331,469  
PRIOR FILING DATE: 2001-11-16  
PRIOR APPLICATION NUMBER: 60/340,817  
PRIOR FILING DATE: 2001-12-19  
PRIOR APPLICATION NUMBER: 09/880,748  
PRIOR FILING DATE: 2001-06-15  
PRIOR APPLICATION NUMBER: 60/293,499  
PRIOR FILING DATE: 2001-05-25  
PRIOR APPLICATION NUMBER: 60/277,379  
PRIOR FILING DATE: 2001-03-21  
PRIOR APPLICATION NUMBER: 60/276,248  
PRIOR FILING DATE: 2001-03-16  
PRIOR APPLICATION NUMBER: 60/240,816  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 3247  
SEQ ID NO 1519  
LENGTH: 252  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-11-054-515-1519

Query Match 84.0%; Score 1092; DB 7; Length 252;  
Best Local Similarity 84.5%; Pred. No. 5.7e-70;  
Matches 213; Conservative 9; Mismatches 24; Indels 6; Gaps 2;

QY 1 QVQLVSGGGLVQPGSGLRLSCAASGFTFRSYAMSWVRQAPKGLIEWVAISRGNDITY 60  
Db 1 QVQLVSGGGLVQPGSGLRLSCAASGFTFRSYAMSWVRQAPKGLIEWVAISRGNDITY 60  
QY 61 ADSVKGRTISRDNKNTLYLQWNSLRADDTAVYYCAK--MTSNAFAPDYWGQGLTV 115  
Db 61 ADSVKGRTISRDNKNTLYLQWNSLRADDTAVYYCAK--MTSNAFAPDYWGQGLTV 120  
QY 116 TVSSGGSGGGSGGGSG--QSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGVGMVYQ 174  
Db 121 TVSSGGSGGGSGGGSG--QSVLTQPPSVSGAPGQRTVITCTGSSSNIGAGVGMVYQ 180  
QY 175 LPTGLPVLIIYGNTRPSPGVPDRFSGFGTSASLAITGLQAEDEADYYCOFYDSLSGW 234  
Db 181 LPTGLPVLIIYGNTRPSPGVPDRFSGFGTSASLAITGLQAEDEADYYCOFYDSLSGW 240  
QY 235 VGGGGLTVLG 246



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PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
Realigning prior application data removed - See file wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 1969
LENGTH 243
TYPE: PRT
ORGANISM: Homo sapiens
US-11-054-515-1969

Query Match
Best Local Similarity 82.8%; Score 1076.5; DB 7; Length 243;
Matches 212; Conservative 5; Mismatches 25; Indels 5; Gaps 2;

QY 1 QVQLVSGGGLVPGGSLRLSCAASGFTPRSYAMSWVQAQPKGLEWYSAISRGDNTYY 60
DB 1 EVQLVSGGGLVPGGSLRLSCAASGFTPRSYAMSWVQAQPKGLEWYSAISRGDNTYY 60
QY 61 ADSVKGKFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMTSNAPAFDYGQGLTVTVSSG 120
DB 61 ADSVKGKFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMTSNAPAFDYGQGLTVTVSSG 116
QY 121 GGGSGGGSGGGSGGSSQSVLTQPPSVSGAPGQRTVITSCGSSSNIGAGYGVHMYOQLPGTA 179
DB 117 GGGSGGGSGGGSGGSSQSVLTQPPSVSGAPGQRTVITSCGSSSNIGAGYGVHMYOQLPGTA 176
QY 180 PKLLIYGNTNRPSPGVDRFSGFGKTSASLAITGLQAEDEADYYCOFYDSSLSGWFVGGG 239
DB 177 PKLLIYANNRSPGVDRFSGFGKTSASLAITGLQAEDEADYYCOFYDSSLSGWFVGGG 236
QY 240 TKLTIVLG 246
DB 237 TKLTIVLG 243

RESULT 10
US-11-245-053-11
Sequence 11, Application US/11245053
Publication No. US20060035334A1
GENERAL INFORMATION:
APPLICANT: Adams, Camilia W.
Ashtenazi, Avi J.
Chuntharapal, Aman
TITLE OF INVENTION: Apo-2 Receptor
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/245,053
FILING DATE: 07-Oct-2005

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CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/10/288,917
FILING DATE: 06-Nov-2002
APPLICATION NUMBER: 10/052798
FILING DATE: 02-Nov-2001
APPLICATION NUMBER: 09/079029
FILING DATE: 14-MAY-1998
APPLICATION NUMBER: 60/074119
FILING DATE: 09-FEB-1998
APPLICATION NUMBER: 60/046615
FILING DATE: 15-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Macchary, Diana L.
REGISTRATION NUMBER: 35,600
REFERENCE/DOCKET NUMBER: F1101R2D1C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-2416
TELEFAX: 650/952-9881
SEQUENCE CHARACTERISTICS:
INFORMATION FOR SEQ ID NO: 11:
LENGTH: 310 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 11:
US-11-245-053-11

Query Match
Best Local Similarity 82.7%; Score 1075.5; DB 7; Length 310;
Matches 208; Conservative 11; Mismatches 26; Indels 1; Gaps 1;

QY 1 QVQLVSGGGLVPGGSLRLSCAASGFTPRSYAMSWVQAQPKGLEWYSAISRGDNTYY 60
DB 40 QVQLVSGGGLVPGGSLRLSCAASGFTPRSYAMSWVQAQPKGLEWYSAISRGDNTYY 99
QY 61 ADSVKGKFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMTSNAPAFDYGQGLTVTVSSG 120
DB 100 ADSVKGKFTISRDNKNTLYLQNNSLRAEDTAVYYCAR-DGGYYMVDVWGKTTVTVSSG 158
QY 121 GGGSGGGSGGGSGGSSQSVLTQPPSVSGAPGQRTVITSCGSSSNIGAGYGVHMYOQLPGTA 180
DB 159 GGGSGGGSGGGSGGSSQSVLTQPPSVSGAPGQRTVITSCGSSSNIGAGYGVHMYOQLPGTA 218
QY 181 KLLIYGNTNRPSPGVDRFSGFGKTSASLAITGLQAEDEADYYCOFYDSSLSGWFVGGG 240
DB 219 KLLIYDDNRPSPGVDRFSGFGKTSASLAITGLQAEDEADYYCOFYDSSLSGWFVGGG 278
QY 241 KLTIVLG 246
DB 279 KLTIVLG 284

RESULT 11
US-11-054-515-1201
Sequence 1201, Application US/11054515
Publication No. US20050255532A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunosepecifically Bind Blys.
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 MB floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/054,515
FILING DATE: 07-Oct-2005

```

```

; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2000-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1201
; LENGTH: 252
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1201

```

```

Query Match      82.2%; Score 1069; DB 7; Length 252;
Best Local Similarity 83.3%; Pred. No. 2.3e-68;
Matches 209; Conservative 10; Mismatches 26; Indels 6; Gaps 2;

```

```

QY 1 QVQLVSGGGLVOPGGSLRLSCAASGFTPRSYAMSWVRQAPGKGLEWVSATISGRDNTYY 60
   1 QLOJSGGGGVOPGSLRLSCAASGFTPSYGMHWVRQAPGKGLEWVAIVSYDGSNKYY 60
DB 1
QY 61 ADSVKGRTISRDNKNTLYLQNMNLSLAEDTAVYYCAK-----MTSNAFAPDYWGQGLTV 115
   61 ADSVKGRTISRDNKNTLYLQNMNLSLAEDTAVYYCAKROYDILTYGGEDYWGKGLTV 120
DB 61
QY 116 TVSSGGGGSGGGSGGGSGS-OSVLTQPPSVGAPGQRTVITCTGSSSNIGAGYGVHWYQQ 174
   121 TVSSGGGGSGGGSGGGSGSQAQVLTQPSVSGAPGQRTVITCTGSSSNIGAGYGVHWYQH 180
DB 121
QY 175 LPETAAPKLLIYGNTNRPSPGVDPDRFSGFKSGTSASLAITGLQAEADADYYCQFYDSSLG 234
   181 LPETAAPKLLIFGNNNRPSGVDPDRFSGFKSGTSASLAITGLQAEADADYYCQSPFTSLGVR 240
DB 181
QY 235 VFGGQTKLTVLG 245
   241 VFGGQTKLTVLG 251
DB 241

```

## RESULT 12

```

US-11-201-825-9
; Sequence 9, Application US/11201825
; Publication No. US20060034831A1
; GENERAL INFORMATION:
; APPLICANT: TOBIN, JAMES F.
; TITLE OF INVENTION: COMBINATION THERAPY FOR DIABETES, OBESITY, AND
; TITLE OF INVENTION: CARDIOVASCULAR DISEASES USING GDF-8 INHIBITORS
; FILE REFERENCE: 08702.0106-00000
; CURRENT APPLICATION NUMBER: US/11/201,825
; PRIOR FILING DATE: 2005-08-11
; PRIOR APPLICATION NUMBER: 60/600,784
; PRIOR FILING DATE: 2004-08-12
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn Ver. 3.2
; SEQ ID NO 9
; LENGTH: 262
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-201-825-9

```

```

Query Match      82.0%; Score 1065.5; DB 7; Length 262;
Best Local Similarity 85.0%; Pred. No. 4.2e-68;
Matches 215; Conservative 7; Mismatches 24; Indels 7; Gaps 4;

```

```

QY 1 QVQLVSGGGLVOPGGSLRLSCAASGFTPRSYAMSWVRQAPGKGLEWVSATISGRDNTYY 60
   1 EVQLVSGGGLVOPGGSLRLSCAASGFTPSYAMSWVRQAPGKGLEWVSATISGGSGSTYY 60
DB 1
QY 61 ADSVKGRTISRDNKNTLYLQNMNLSLAEDTAVYYCAKMTSNAFAPDYWGQGLTV 115
   61 ADSVKGRTISRDNKNTLYLQNMNLSLAEDTAVYYCAKMTSNAFAPDYWGQGLTV 115
DB 61

```

```

DB 61 ADSVKGRTISRDNKNTLYLQNMNLSLAEDTAVYYCERNPCTGSCYVDLIGNMGRTLV 120
   116 TVSSGGGGSGGGSGGGSGS-OSVLTQPPSVGAPGQRTVITCTGSSSNIGAGYGVHWYQQ 174
   121 TVSSGGGGSGGGSGGGSGSQAQVLTQPSVSGAPGQRTVITCTGSSSNIGAGYGVHWYQH 180
DB 121
QY 175 LPETAAPKLLIYGNTNRPSPGVDPDRFSGFKSGTSASLAITGLQAEADADYYCQFYDSSLG 233
   181 LPETAAPKLLIRGNRPSGVDPDRFSGFKSGTSASLAITGLQAEADADYYCQGYDSSLGSS 240
DB 181
QY 234 WFGGQTKLTVLG 246
   241 WFGGQTKLTVLG 253
DB 241

```

## RESULT 13

```

US-11-054-515-1420
; Sequence 1420, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunoselectively Bind Blys
; FILE REFERENCE: PFS23P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; PRIOR FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1420
; LENGTH: 250
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1420

```

```

Query Match      81.7%; Score 1062; DB 7; Length 250;
Best Local Similarity 82.1%; Pred. No. 7.1e-68;
Matches 206; Conservative 15; Mismatches 24; Indels 6; Gaps 2;

```

```

QY 1 QVQLVSGGGLVOPGGSLRLSCAASGFTPRSYAMSWVRQAPGKGLEWVSATISGRDNTYY 60
   1 QVQLVSGGGLVOPGGSLRLSCAASGFTPSYAMSWVRQAPGKGLEWVSATISGGSGSTYY 60
DB 1
QY 61 ADSVKGRTISRDNKNTLYLQNMNLSLAEDTAVYYCAK-----MTSNAFAPDYWGQGLTV 115
   61 ADSVKGRTISRDNKNTLYLQNMNLSLAEDTAVYYCAK-----MTSNAFAPDYWGQGLTV 115
DB 61
QY 116 TVSSGGGGSGGGSGGGSGSOSVLTQPPSVGAPGQRTVITCTGSSSNIGAGYGVHWYQQ 175
   121 TVSSGGGGSGGGSGGGSGSQAQVLTQPPSVGAPGQRTVITCTGSSSNIGAGYGVHWYQH 179
DB 121
QY 176 PGTAPKLLIYGNTNRPSPGVDPDRFSGFKSGTSASLAITGLQAEADADYYCQFYDSSLG 235
   180 PGTAPKLLIYNNDPSPGVDPDRFSGFKSGTSASLAITGLQAEADADYYCQSWDSSLG 239
DB 180

```

```

QY      236 FGGGFKLTVLG 246
Db      240 FGGGFKLTVLG 250

RESULT 14
US-11-054-515-1461
; Sequence 1461, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/560,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; Remaining Prior Application data removed - See File Wrapper or PAM.
SEQ ID NO. 1461
LENGTH: 250
TYPE: RTT
ORGANISM: Homo sapiens
US-11-054-515-1461

Query Match      80.6%; Score 1048; DB 7; Length 250;
Best Local Similarity 80.1%; Freq. No. 6.8e-67;
Matches 201; Conservative 19; Mismatches 25; Indels 6; Gaps 2

QY      1 QVQLVESGGGLVQPGGSLRLSCAAGTFFRYSAMSWRQAPFGKGLBWSAISRGDNTTY 60
Db      1 QVQLVQTGGGVQPGGSLRLSCAAGTFFRYSAMSWRQAPFGKGLBWSAISRGGSTYY 60
QY      61 ADVSKGRFTISRDNKNTLYLQNSLRADETAVTYCAK-----MTSNAPAFDYNGCTLY 115
Db      61 AIVSVGRFTISRDNKNTLYLQNSLRADETAVTYCARDDHDLVGGYGMGVKGTWY 120
QY      116 TVSSGGGGSGGGSGGGSGGSSQSVLTLPPEVSCAPQQRVITISCTGSSSNTIGAGYVHWTQOL 175
Db      121 TVSSGGGGSGGGSGGGSGGSSQSVLTLPPEASSTPQQRVITISCTGSSSNTIGSN-TVNWYQRL 179
QY      176 PGTAPKLLIYGNNTNRPSPGVDPSPGFKSGTGSASLAITGLQADEADYVYCOFYDSSLSGWY 235
Db      180 PEAALQQLITVNNDDRPSGIPDRSPSGSKSGTGSIVTISGLQSEADYVYCAASMDSLNGRV 239
QY      236 FGGGFKLTVLG 246
Db      240 FGGGFKLTVLG 250

RESULT 15
US-11-054-515-1890
; Sequence 1890, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:

```

```

APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunoselectively Bind Blyss
FILE REFERENCE: P5523P
CURRENT APPLICATION NUMBER: US/11/054,515
PRIOR FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 1890
LENGTH: 248
TYPE: PRT
ORGANISM: Homo sapiens
US-11-054-515-1890

Query Match      80.3%; Score 1044; DB 7; Length 248;
Best Local Similarity 81.1%; Pred. No. 1.3e-66;
Matches 202; Conservative 16; Mismatches 27; Indels 4; Gaps 2

QY      1 QVQLVESGGGLVPPGSGSLTSLCAASGTFPSSVMSWVRQAPKGLGIEWVAISRGSDITY 60
DB      1 QMQLVVGSGGVVPPGSRSLTSLCAASGTFPSSVGMHWVRQAPKGLGIEWVAIVSYGSIKTY 60
QY      61 ADVSKGFTISRLNSKNTLYLQNMNLSLRADDTAYVYCAKM--TSNAFADYVWGGLTVTV 117
DB      61 ADVSKGFTISRLNSKNTLYLQNMNLSLRADDTAYVYCARYYHSSGSDAFDIWGGLTVTV 120
QY      118 SSGGGSGGGSGGGSGGGSSGSLTOPPSVSGAPGQRVITICTGSSNSNIGAGVGVHMYOOLPG 177
DB      121 PGGGGSGGGSGGGSGGGSSGVLTOPPSASGTFPQRVITISGSSSSNIGSN-IVNMYOQLPG 179
QY      178 TAPKLLIYGVNTPPSGVPPRPSGRTSGTSASIALITGLQADPADYVYCFQVNSLSIGVVRG 237
DB      180 AAPQALLIYNNGRPPSSVPPRPSGSKTSASIALISGLQSDPADYVYCAAMDLSLNGVVRG 239
QY      238 GGTATATATG 246
DB      240 GGTATATATG 248

Search completed: March 17, 2006, 11:13:30
Job time : 15.6189 secs

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GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2006, 10:53:42 ; Search time 20.332 Seconds  
(without alignments)  
984.042 Million cell updates/sec

Title: US-09-250-056b-2  
Perfect score: 1267  
Sequence: 1 QVQLVSGGGLVQPGGSLRL.....QQYNVPLSPFGGRTVEIKR 242

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 8265679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents, AA.\*  
1: /cgn2\_6/ptodata/1/aa/5.COMB.pep.\*  
2: /cgn2\_6/ptodata/1/aa/6.COMB.pep.\*  
3: /cgn2\_6/ptodata/1/aa/H.COMB.pep.\*  
4: /cgn2\_6/ptodata/1/aa/PCPUS.COMB.pep.\*  
5: /cgn2\_6/ptodata/1/aa/RB.COMB.pep.\*  
6: /cgn2\_6/ptodata/1/aa/backlist1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1065.5	84.1	288	US-09-818-247-22	Sequence 22, App1
2	1057.5	83.5	245	US-09-138-091A-76	Sequence 76, App1
3	1056.5	83.4	245	US-08-918-148-78	Sequence 78, App1
4	1047	82.6	240	US-09-192-884-2	Sequence 2, App1
5	1040.5	82.1	245	US-08-918-148-75	Sequence 75, App1
6	1002.5	79.1	245	US-08-918-148-76	Sequence 76, App1
7	1002.5	79.1	245	US-08-918-148-77	Sequence 77, App1
8	1002.5	79.1	244	US-08-918-148-74	Sequence 74, App1
9	1002.5	79.1	244	US-08-918-148-75	Sequence 75, App1
10	1002	79.1	244	US-08-918-148-75	Sequence 75, App1
11	1002	79.1	244	US-08-918-148-75	Sequence 75, App1
12	937.5	74.0	284	US-08-564-164A-2	Sequence 2, App1
13	921	72.7	301	US-08-564-164A-2	Sequence 2, App1
14	921	72.7	301	US-08-564-164A-2	Sequence 2, App1
15	921	72.7	301	US-08-564-164A-2	Sequence 2, App1
16	921	72.7	301	US-08-564-164A-2	Sequence 2, App1
17	921	72.7	301	US-08-564-164A-2	Sequence 2, App1
18	921	72.7	301	US-08-564-164A-2	Sequence 2, App1
19	921	72.7	301	US-08-564-164A-2	Sequence 2, App1
20	921	72.7	301	US-08-564-164A-2	Sequence 2, App1
21	921	72.7	301	US-08-564-164A-2	Sequence 2, App1
22	914.5	72.2	240	US-08-477-184B-148	Sequence 148, App
23	914.5	72.2	240	US-08-477-184B-148	Sequence 148, App
24	914.5	72.2	240	US-08-477-184B-148	Sequence 148, App
25	914.5	72.2	240	US-08-477-184B-148	Sequence 148, App
26	914.5	72.2	240	US-08-477-184B-148	Sequence 148, App
27	914.5	72.2	240	US-08-477-184B-148	Sequence 148, App

28	912	72.0	248	1	US-08-887-352B-23	Sequence 23, App1
29	912	72.0	248	2	US-09-109-207C-23	Sequence 23, App1
30	912	72.0	248	2	US-09-296-005-23	Sequence 23, App1
31	912	72.0	248	2	US-09-920-171-23	Sequence 23, App1
32	912	72.0	248	2	US-09-716-028-23	Sequence 23, App1
33	912	72.0	248	2	US-10-113-996-23	Sequence 23, App1
34	911	71.9	248	1	US-08-887-352B-22	Sequence 22, App1
35	911	71.9	248	2	US-09-109-207C-22	Sequence 22, App1
36	911	71.9	248	2	US-09-296-005-22	Sequence 22, App1
37	911	71.9	248	2	US-09-920-171-22	Sequence 22, App1
38	911	71.9	248	2	US-09-716-028-22	Sequence 22, App1
39	911	71.9	248	2	US-10-113-996-22	Sequence 22, App1
40	909.5	71.8	281	2	US-09-025-769B-178	Sequence 178, App
41	909.5	71.8	281	2	US-09-490-070A-178	Sequence 178, App
42	909.5	71.8	281	2	US-09-490-153-178	Sequence 178, App
43	909.5	71.8	281	2	US-09-490-324-178	Sequence 178, App
44	893.5	70.5	282	1	US-08-860-174A-10	Sequence 10, App1
45	884	69.8	236	1	US-08-190-199A-65	Sequence 65, App1

## ALIGNMENTS

RESULT 1  
US-09-818-247-22  
; Sequence 22, Application US/09818247  
; Patent No. 685810  
; GENERAL INFORMATION:  
; APPLICANT: Moskov, Keith E.  
; APPLICANT: Chapman, Steven J.  
; APPLICANT: Richman-Eisenstat, Janice  
; TITLE OF INVENTION: The Regents of the University of California  
; TITLE OF INVENTION: Ligands Directed to the No. 685810-Secretory Component,  
; FILE REFERENCE: 180628-000910US  
; CURRENT APPLICATION NUMBER: US/09/818, 247  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: WO PCT/US01/09699  
; PRIOR FILING DATE: 2001-03-26  
; PRIOR APPLICATION NUMBER: US 60/192,197  
; PRIOR FILING DATE: 2000-03-27  
; PRIOR APPLICATION NUMBER: US 60/192,198  
; PRIOR FILING DATE: 2000-03-27  
; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: Patentin Ver. 2.1  
; SEQ ID NO 22  
; LENGTH: 288  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Description of Artificial  
; OTHER INFORMATION: Sequence: Pelb/4AF/myc/SHIS  
US-09-818-247-22  
Query Match 84.1%; Score 1065.5; DB 2; Length 288;  
Best Local Similarity 84.8%; Pred. No. 2e-74; Mismatches 24; Indels 1; Gaps 1;  
Matches 206; Conservative 12;  
1 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSRIYY 60  
2 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
3 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
4 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
5 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
6 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
7 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
8 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
9 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
10 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
11 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
12 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
13 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
14 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
15 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
16 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
17 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
18 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
19 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
20 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
21 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
22 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
23 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
24 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
25 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
26 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82  
27 QVQLVSGGGLVQPGGSLRLISCAASGFTSSYAMGVNQAPKGLGVWSISGSSSTYY 82

QY 240 IKR 242  
|||  
Db 263 IKR 265

## RESULT 2

US-09-138-091A-76  
; Sequence 76, Application US/09138091A  
; Patent No. 6737249  
; GENERAL INFORMATION:  
; APPLICANT: Adams, Camellia W.  
; APPLICANT: Carter, Paul J.  
; APPLICANT: Rendley, Brian M.  
; APPLICANT: Gurney, Austin L.  
; TITLE OF INVENTION: Agonist Antibodies  
; FILE REFERENCE: 9491-013-27  
; CURRENT APPLICATION NUMBER: US/09/138,091A  
; CURRENT FILING DATE: 1998-08-21  
; PRIOR APPLICATION NUMBER: US 60/056,736  
; PRIOR FILING DATE: 1997-08-22  
; NUMBER OF SEQ ID NOS: 77  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 76  
; LENGTH: 245  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURES:  
; OTHER INFORMATION: single chain antibody (scFv) fragments  
; NAME/KEY: VARIANT  
; LOCATION: 208  
; OTHER INFORMATION: Xaa = Any Amino Acid  
US-09-138-091A-76

Query Match 83.5%; Score 1057.5; DB 2; Length 245;  
Best Local Similarity 83.1%; Pred. No. 7.1e-74;  
Matches 201; Conservative 20; Mismatches 20; Indels 1; Gaps 1;

QY 1 QVQLVESGGGLVQPQSGSLRLSCAASGFTPSYAMGWROAPKGLEWVSSISGSSRYYY 60  
|||  
Db 3 QVQLVESGGGLVQPQSGSLRLSCAASGFTPSYAMGWROAPKGLEWVSSISGSSRYYY 62  
|||  
QY 61 ADSVKGKFTISRDNKNTLYLQNMNSLRADDAVYYCAKMDASGSYFNFGGTLVTYSSG 120  
|||  
Db 63 ADSVKGKFTISRDNKNTLYLQNMNSLRADDAVYYCAKMDASGSYFNFGGTLVTYSSG 121  
|||  
QY 121 GGGSGGGSGGGSETTLTQSPSFLSAFVGDRIITTCRASPGIRNYLAWYQKPKAPKL 180  
|||  
Db 122 GGGSGGGSGGGSGSDIQMTQSPSTLSASIGDRVITTCRASPGIYHMLAWYQKPKAPKL 181  
|||  
QY 181 LIYAASLTQSGVPSRFGSGSGSDFTLTISLQPEDPATYYCCQYNSYPLSPFGGTYVEI 240  
|||  
Db 182 LIYKASISLASGAPSRFGSGSGSDFTLTISLQPEDPATYYCCQYNSYPLSPFGGTYLEI 241  
|||  
QY 241 KR 242  
|||  
Db 242 KR 243

## RESULT 3

US-08-918-148-78  
; Sequence 78, Application US/08918148A  
; Patent No. 6342220  
; GENERAL INFORMATION:  
; APPLICANT: Adams, Camellia  
; APPLICANT: W.  
; APPLICANT: Carter, Paul J.  
; APPLICANT: Rendley, Brian M.  
; APPLICANT: Gurney, Austin L.  
; TITLE OF INVENTION: Agonist Antibodies  
; FILE REFERENCE: P0979  
; CURRENT APPLICATION NUMBER: US/08/918,148A

; CURRENT FILING DATE: 1997-08-25  
; NUMBER OF SEQ ID NOS: 79  
; SEQ ID NO 78  
; LENGTH: 245  
; TYPE: PRT  
; ORGANISM: artificial  
; FEATURE:  
; NAME/KEY: unknown  
; LOCATION: 208  
; OTHER INFORMATION: unknown amino acid  
US-08-918-148-78

Query Match 83.4%; Score 1056.5; DB 2; Length 245;  
Best Local Similarity 83.1%; Pred. No. 8.4e-74;  
Matches 201; Conservative 20; Mismatches 20; Indels 1; Gaps 1;

QY 1 QVQLVESGGGLVQPQSGSLRLSCAASGFTSSYAMGWROAPKGLEWVSSISGSSRYYY 60  
|||  
Db 3 QVQLVESGGGLVQPQSGSLRLSCAASGFTSSYAMGWROAPKGLEWVSSISGSSRYYY 62  
|||  
QY 61 ADSVKGKFTISRDNKNTLYLQNMNSLRADDAVYYCAKMDASGSYFNFGGTLVTYSSG 120  
|||  
Db 63 ADSVKGKFTISRDNKNTLYLQNMNSLRADDAVYYCAKMDASGSYFNFGGTLVTYSSG 121  
|||  
QY 121 GGGSGGGSGGGSETTLTQSPSFLSAFVGDRIITTCRASPGIRNYLAWYQKPKAPKL 180  
|||  
Db 122 GGGSGGGSGGGSGSKIQMTQSPSTLSASIGDRVITTCRASPGIYHMLAWYQKPKAPKL 181  
|||  
QY 181 LIYAASLTQSGVPSRFGSGSGSDFTLTISLQPEDPATYYCCQYNSYPLSPFGGTYVEI 240  
|||  
Db 182 LIYKASISLASGAPSRFGSGSGSDFTLTISLQPEDPATYYCCQYNSYPLSPFGGTYLEI 241  
|||  
QY 241 KR 242  
|||  
Db 242 KR 243

## RESULT 4

US-09-192-854-2  
; Sequence 2, Application US/09192854  
; Patent No. 6696245  
; GENERAL INFORMATION:  
; APPLICANT: Winter, Greg  
; APPLICANT: Tomlinson, Ian  
; TITLE OF INVENTION: Methods for Selecting Functional Peptides  
; FILE REFERENCE: 3789/72916  
; CURRENT APPLICATION NUMBER: US/09/192,854  
; EARLIER FILING DATE: 1998-11-17  
; EARLIER APPLICATION NUMBER: 60/066,729  
; EARLIER FILING DATE: 1997-11-21  
; NUMBER OF SEQ ID NOS: 212  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 240  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-192-854-2

Query Match 82.6%; Score 1047; DB 2; Length 240;  
Best Local Similarity 85.2%; Pred. No. 4.4e-73;  
Matches 207; Conservative 11; Mismatches 21; Indels 4; Gaps 2;

QY 1 QVQLVESGGGLVQPQSGSLRLSCAASGFTFSYAMGWROAPKGLEWVSSISGSSRYYY 60  
|||  
Db 1 EVQLVESGGGLVQPQSGSLRLSCAASGFTFSYAMGWROAPKGLEWVSAISGSGSTYY 60  
|||  
QY 61 ADSVKGKFTISRDNKNTLYLQNMNSLRADDAVYYCAKMDASGSYFNFGGTLVTYSSG 120  
|||  
Db 61 ADSVKGKFTISRDNKNTLYLQNMNSLRADDAVYYCAKMDASGSYFNFGGTLVTYSSG 117  
|||  
QY 121 GGGSGGGSGGGSGS-ETTLTQSPSFLSAFVGDRIITTCRASPGIRNYLAWYQKPKAPK 179  
|||  
Db 118 GGGSGGGSGGGSGSDIQMTQSPSTLSASVGDRIITTCRASPGISISYPLSPFGGTYLEI 177  
|||



QY 180 LLIYAASLTQSGVPSRFGSGSGTDTFTLTISLQPEDFATYYCOQNSYPLSFGGCTVE 239  
DB 178 LLIYAASLTQSGVPSRFGSGSGTDTFTLTISLQPEDFATYYCOQNSYPLSFGGCTVE 237  
QY 240 IKR 242  
DB 238 IKR 240

## RESULT 5

US-09-511-939-2  
Sequence 2, Application US/09511939  
Patent No. 6846634  
GENERAL INFORMATION:  
APPLICANT: Tomlinson, Ian M  
INVENTOR: Winter, Gregory  
TITLE OF INVENTION: Method to Screen Phage Display Libraries with Different Ligands  
FILE REFERENCE: 8039/1070  
CURRENT APPLICATION NUMBER: US/09/511.939  
PRIOR FILING DATE: 2002-04-10  
PRIOR APPLICATION NUMBER: GB 9722131.1  
PRIOR FILING DATE: 1997-10-20  
PRIOR APPLICATION NUMBER: US 60/065,248  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: US 60/066,729  
PRIOR FILING DATE: 1997-11-21  
PRIOR APPLICATION NUMBER: PCT/GB98/03135  
PRIOR FILING DATE: 1998-10-20  
NUMBER OF SEQ ID NOS: 350  
SOFTWARE: Patent version 3.1  
SEQ ID NO 2  
LENGTH: 240  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-511-939-2

Query Match 82.6%; Score 1047; DB 2; Length 240;  
Best Local Similarity 85.2%; Pred. No. 4,4e-73;  
Matches 207; Conservative 11; Mismatches 21; Indels 4; Gaps 2;

QY 1 OVQVYSGGGGLVQPGSIRLSCAASGFTFSYAMGWVROAPKGLWVSSISGSRRIYY 60  
DB 1 EVQVLSGGGLVQPGSIRLSCAASGFTFSYAMGWVROAPKGLWVSSISGSGSTIY 60  
QY 61 ADVKGRFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMDASGYFNFMGQGLVTVSSG 120  
DB 61 ADVKGRFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMDASGYFNFMGQGLVTVSSG 117  
QY 121 GGSGGGGGSGGGSGTDTFTLTISLQPEDFATYYCOQNSYPLSFGGCTVE 179  
DB 118 GGSGGGGGSGGGSGTDTFTLTISLQPEDFATYYCOQNSYPLSFGGCTVE 177  
QY 180 LLIYAASLTQSGVPSRFGSGSGTDTFTLTISLQPEDFATYYCOQNSYPLSFGGCTVE 239  
DB 178 LLIYAASLTQSGVPSRFGSGSGTDTFTLTISLQPEDFATYYCOQNSYPLSFGGCTVE 237  
QY 240 IKR 242  
DB 238 IKR 240

## RESULT 6

US-08-918-148-75  
Sequence 75, Application US/08918148A  
Patent No. 6342220  
GENERAL INFORMATION:  
APPLICANT: Adams, Camellia  
INVENTOR: Carter, Paul J.  
TITLE OF INVENTION: Agonist Antibodies

FILE REFERENCE: P0979  
CURRENT APPLICATION NUMBER: US/08/918.148A  
CURRENT FILING DATE: 1997-08-25  
NUMBER OF SEQ ID NOS: 79  
SEQ ID NO 75  
LENGTH: 245  
TYPE: PRT  
ORGANISM: artificial  
US-08-918-148-75

Query Match 82.1%; Score 1040.5; DB 2; Length 245;  
Best Local Similarity 81.0%; Pred. No. 1.4e-72;  
Matches 196; Conservative 20; Mismatches 25; Indels 1; Gaps 1;

QY 1 OVQVYSGGGGLVQPGSIRLSCAASGFTFSYAMGWVROAPKGLWVSSISGSRRIYY 60  
DB 3 EVQVLSGGGLVQPGSIRLSCAASGFTFSYAMGWVROAPKGLWVSSISGSGSTIY 62  
QY 61 ADVKGRFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMDASGYFNFMGQGLVTVSSG 120  
DB 63 ADVKGRFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMDASGYFNFMGQGLVTVSSG 121  
QY 121 GGSGGGGGSGGGSGTDTFTLTISLQPEDFATYYCOQNSYPLSFGGCTVE 180  
DB 122 GGSGGGGGSGGGSGTDTFTLTISLQPEDFATYYCOQNSYPLSFGGCTVE 181  
QY 181 LLIYAASLTQSGVPSRFGSGSGTDTFTLTISLQPEDFATYYCOQNSYPLSFGGCTVE 240  
DB 182 LLIYAASLTQSGVPSRFGSGSGTDTFTLTISLQPEDFATYYCOQNSYPLSFGGCTVE 241  
QY 241 IKR 242  
DB 242 IKR 243

## RESULT 7

US-09-138-091A-73  
Sequence 73, Application US/09138091A  
Patent No. 6737249  
GENERAL INFORMATION:  
APPLICANT: Adams, Camellia W.  
INVENTOR: Carter, Paul J.  
TITLE OF INVENTION: Agonist Antibodies  
FILE REFERENCE: 9491-013-27  
CURRENT APPLICATION NUMBER: US/09/138.091A  
PRIOR FILING DATE: 1998-08-21  
PRIOR APPLICATION NUMBER: US 60/056,736  
PRIOR FILING DATE: 1997-08-22  
NUMBER OF SEQ ID NOS: 77  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 73  
LENGTH: 245  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: single chain antibody (scFv) fragments  
US-09-138-091A-73

Query Match 82.1%; Score 1040.5; DB 2; Length 245;  
Best Local Similarity 81.0%; Pred. No. 1.4e-72;  
Matches 196; Conservative 20; Mismatches 25; Indels 1; Gaps 1;

QY 1 OVQVYSGGGGLVQPGSIRLSCAASGFTFSYAMGWVROAPKGLWVSSISGSRRIYY 60  
DB 3 EVQVLSGGGLVQPGSIRLSCAASGFTFSYAMGWVROAPKGLWVSSISGSGSTIY 62  
QY 61 ADVKGRFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMDASGYFNFMGQGLVTVSSG 120  
DB 63 ADVKGRFTISRDNKNTLYLQNNSLRAEDTAVYYCAKMDASGYFNFMGQGLVTVSSG 121  
QY 121 GGSGGGGGSGGGSGTDTFTLTISLQPEDFATYYCOQNSYPLSFGGCTVE 180



Db 179 KLIIYASSLASGASRPSGSGTDTLTITSLQPPDPATYYCOQVSNVPLFPGGTEL 238  
 QY 239 EIKR 242  
 Db 239 EIKR 242

# RESULT 11

US-09-138-091A-75  
 ; Sequence 75, Application US/09138091A  
 ; Patent No. 6737249  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Adams, Camellia W.  
 ; APPLICANT: Carter, Paul J.  
 ; APPLICANT: Fendly, Brian M.  
 ; APPLICANT: Gurney, Austin L.  
 ; TITLE OF INVENTION: Agonist Antibodies  
 ; FILE REFERENCE: 9491-013-27  
 ; CURRENT APPLICATION NUMBER: US/09/138,091A  
 ; PRIOR FILING DATE: 1998-08-21  
 ; PRIOR APPLICATION NUMBER: US 60/056,736  
 ; NUMBER OF SEQ ID NOS: 77  
 ; SOFTWARE: FASTSEQ for Windows Version 4.0  
 ; SEQ ID NO 75  
 ; LENGTH 244  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE INFORMATION: single chain antibody (scFv) fragments  
 ; US-09-138-091A-75

Query Match 79.1%; Score 1002; DB 2; Length 244;  
 Best Local Similarity 77.9%; Pred. No. 1,3e-69;  
 Matches 190; Conservative 25; Mismatches 23; Indels 6; Gaps 2;

QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMGWVROAPGKLEWVSISSGSRYYT 60  
 |||||  
 Db 3 QVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMGWVROAPGKLEWVSISSGSRYYT 62  
 |||||  
 QY 61 ADVSKRFTISRDNKNTLYLQMNSLRAEDTAVYYCAKMDASGYF--WGQGLVTVSS 118  
 |||||  
 Db 63 ADVSKRFTISRDNKNTLYLQMNSLRAEDTAVYYCAR----GAHGDIDGQGTWTVSS 118  
 |||||  
 QY 119 SGGGSGGGGSGGGSETTLTQSPFLSAFVGRITITCRASPGIRNYLAWYQKPKAP 178  
 |||||  
 Db 119 SGGGSGGGGSGGGSETTLTQSPFLSAFVGRITITCRASPGIRNYLAWYQKPKAP 178  
 |||||  
 QY 179 KLIIYASTLQSGVPSRPSGSGTDTLTITSLQPPDPATYYCOQVSNVPLFPGGTXY 238  
 |||||  
 Db 179 KLIIYASSLASGASRPSGSGTDTLTITSLQPPDPATYYCOQVSNVPLFPGGTEL 238  
 |||||  
 QY 239 EIKR 242  
 |||||  
 Db 239 EIKR 242

# RESULT 12

US-08-564-164A-2  
 ; Sequence 2, Application US/08564164A  
 ; Patent No. 6159947  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Schweighofer, Fabien  
 ; APPLICANT: tocque, Bruno  
 ; TITLE OF INVENTION: Intracellular Binding Proteins and Use  
 ; TITLE OF INVENTION: Therocf  
 ; NUMBER OF SEQUENCES: 17  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Rhone-Poulenc Rorer Inc.  
 ; STREET: 500 Arcola Road, 3C43  
 ; CITY: Collegeville  
 ; STATE: PA

COUNTRY: USA  
 ZIP: 19426-0107  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/564,164A  
 FILING DATE: 28-DEC-1995  
 CLASSIFICATION: 424  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: WO PCT/FR94/00714  
 FILING DATE: 15-JUN-1994  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: FR 93/07241  
 FILING DATE: 16-JUN-1993  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Savitzky, Martin F.  
 REGISTRATION NUMBER: 29,699  
 REFERENCE/DOCKET NUMBER: ST93010-US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (610)454-3808  
 TELEFAX: (610)454-3816  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 284 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULAR TYPE: protein  
 ; US-08-564-164A-2

Query Match 74.0%; Score 937.5; DB 2; Length 284;  
 Best Local Similarity 71.2%; Pred. No. 1.4e-64;  
 Matches 173; Conservative 32; Mismatches 37; Indels 1; Gaps 1;

QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMGWVROAPGKLEWVSISSGSRYYT 60  
 |||||  
 Db 28 QVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMGWVROAPGKLEWVSISSGSRYYT 87  
 |||||  
 QY 61 ADVSKRFTISRDNKNTLYLQMNSLRAEDTAVYYCAKMDASGS-YENFWGQGLVTVSS 119  
 |||||  
 Db 88 ADVSKRFTISRDNKNTLYLQMNSLRAEDTAVYYCARHGGTGTDFPDWGGTIVTVSS 147  
 |||||  
 QY 120 GGGGSGGGGSGGGSETTLTQSPFLSAFVGRITITCRASPGIRNYLAWYQKPKAP 179  
 |||||  
 Db 148 GGGGSGGGGSGGGSETTLTQSPFLSAFVGRITITCRASPGIRNYLAWYQKPKAP 207  
 |||||  
 QY 180 KLIIYASTLQSGVPSRPSGSGTDTLTITSLQPPDPATYYCOQVSNVPLFPGGTXY 239  
 |||||  
 Db 208 KLIIYASLQDGVPSRPSGSGTDTLTITSLQPPDPATYYCOQVSNVPLFPGGTXY 267  
 |||||  
 QY 240 IKR 242  
 |||||  
 Db 268 IKR 270

# RESULT 13

US-08-661-052-14  
 ; Sequence 14, Application US/08661052  
 ; Patent No. 5837243  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Yashwant M. Deo  
 ; APPLICANT: Joel Goldstein  
 ; APPLICANT: Robert Graziano  
 ; APPLICANT: Robert Somasundaram  
 ; TITLE OF INVENTION: THERAPEUTIC COMPOUNDS COMPRISED  
 ; TITLE OF INVENTION: OF ANTI-FC RECEPTOR ANTIBODIES  
 ; NUMBER OF SEQUENCES: 16  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: LAHIVE & COCKFIELD  
 ; STREET: 60 State Street, Suite 510  
 ; CITY: Boston

```
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/661,052
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/484,172
FILING DATE: 07-JUNE-1995
ATTORNEY/AGENT INFORMATION:
NAME: Arnold, Beth E.
REGISTRATION NUMBER: 35,430
REFERENCE/DOCKET NUMBER: MXI-043CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 301 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-661-052-14
```

```
Query Match 72.7%; Score 921; DB 1; Length 301;
Best Local Similarity 72.9%; Pred. No. 2,7e-63;
Matches 183; Conservative 20; Mismatches 32; Indels 16; Gaps 4;
```

```
QY 2 VQVESGGGLVOPGSGRLSCASGFSTSSYMGWVRQAPGKGLEWVSSISGSRYYIA 61
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
21 IQLVESGGGVOPGSRRLSCSSSGFIFSDNYMYWRQAPGKLEWVATISDGSYYTP 80
DB 62 DSYKGFITSRDMSKNTLYLQMSLRAPDTAVYYCAKMDASGY-----FNFGQGLVT 116
81 DSYKGFITSRDMSKNTLYLQMSLRAPDTAVYYCAKMDASGY-----FNFGQGLVT 136
QY 117 VSSGGGGSGGGSGGGSEETLTQSPSLAFVGDRIITTCRASPGI-----RNYLAWY 170
137 VSSGGGGSGGGSGGGSDIQLTQSPSLASVGDVITTCSSQSVLYSSNOKNYLAWY 196
DB 171 QQKRGKAPKLLIYAASLTQSGVPSRPSGSGGTDFTLTISLQPEDATYYCCQYNSYPL 230
197 QQKRGKAPKLLIYASTRESGVPSRPSGSGGTDFTLTISLQPEDATYYCHQYLS-SW 255
QY 231 SFGGGTKVEIK 241
DB 256 TFGQGTKVEIK 266
```

```
RESULT 14
US-09-188-082-14
Sequence 14, Application US/09188082
Patent No. 6270765
GENERAL INFORMATION:
APPLICANT: Yaehwant M. Deo
APPLICANT: Joel Goldstein
APPLICANT: Robert Graziano
APPLICANT: Cherian Somanandaram
TITLE OF INVENTION: THERAPEUTIC COMPOUNDS COMPRISD
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, Suite 510
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
```

```
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/188,082
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/661,052
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Arnold, Beth E.
REGISTRATION NUMBER: 35,430
REFERENCE/DOCKET NUMBER: MXI-043CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 301 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-188-082-14
```

```
Query Match 72.7%; Score 921; DB 2; Length 301;
Best Local Similarity 72.9%; Pred. No. 2,7e-63;
Matches 183; Conservative 20; Mismatches 32; Indels 16; Gaps 4;
```

```
QY 2 VQVESGGGLVOPGSGRLSCASGFSTSSYMGWVRQAPGKGLEWVSSISGSRYYIA 61
:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
21 IQLVESGGGVOPGSRRLSCSSSGFIFSDNYMYWRQAPGKLEWVATISDGSYYTP 80
DB 62 DSYKGFITSRDMSKNTLYLQMSLRAPDTAVYYCAKMDASGY-----FNFGQGLVT 116
81 DSYKGFITSRDMSKNTLYLQMSLRAPDTAVYYCAKMDASGY-----FNFGQGLVT 136
QY 117 VSSGGGGSGGGSGGGSEETLTQSPSLAFVGDRIITTCRASPGI-----RNYLAWY 170
137 VSSGGGGSGGGSGGGSDIQLTQSPSLASVGDVITTCSSQSVLYSSNOKNYLAWY 196
DB 171 QQKRGKAPKLLIYAASLTQSGVPSRPSGSGGTDFTLTISLQPEDATYYCCQYNSYPL 230
197 QQKRGKAPKLLIYASTRESGVPSRPSGSGGTDFTLTISLQPEDATYYCHQYLS-SW 255
QY 231 SFGGGTKVEIK 241
DB 256 TFGQGTKVEIK 266
```

```
RESULT 15
US-09-364-088-14
Sequence 14, Application US/09364088
Patent No. 6365161
GENERAL INFORMATION:
APPLICANT: Yaehwant M. Deo, et al.
TITLE OF INVENTION: THERAPEUTIC COMPOUNDS COMPRISD
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street, 24th Floor
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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GenCore version 5.1.7  
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OM protein - protein search, using sw model

Run on: March 17, 2006, 11:08:22 ; Search time 109.594 Seconds  
(without alignments)  
922.628 Million cell updates/sec

Title: US-09-250-056B-2

Sequence: 1 QVQLVSGGGLVQPGGSLRL.....QQYNSTPLSPFGSGTKVEIKR 242

Scoring table:

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Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database:

Published Applications AA Main:\*

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2: /cgn2\_6/ptodata/1/pubpaa/us08\_PUBCOMB.pep:\*

3: /cgn2\_6/ptodata/1/pubpaa/us09\_PUBCOMB.pep:\*

4: /cgn2\_6/ptodata/1/pubpaa/us10\_PUBCOMB.pep:\*

5: /cgn2\_6/ptodata/1/pubpaa/us10B\_PUBCOMB.pep:\*

6: /cgn2\_6/ptodata/1/pubpaa/us11\_PUBCOMB.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1267	100.0	242	5	US-10-855-755-2
2	1084.5	85.6	239	5	US-10-935-290-80
3	1069	84.4	291	4	US-10-406-830-10
4	1065.5	84.1	288	3	US-09-818-247-22
5	1065.5	83.7	288	6	US-11-038-956-22
6	1060.5	83.7	247	3	US-09-880-748-1923
7	1060.5	83.7	247	4	US-10-293-418-1923
8	1058.5	83.5	239	4	US-09-880-748-1923
9	1058.5	83.5	239	4	US-10-293-418-1922
10	1057.5	83.5	245	5	US-10-778-394-76
11	1051.5	83.0	243	6	US-11-017-030-6
12	1050.5	82.9	239	3	US-09-880-748-1882
13	1050.5	82.9	239	4	US-10-293-418-1882
14	1050	82.9	248	4	US-09-880-748-1421
15	1050	82.9	248	4	US-10-293-418-1421
16	1047	82.6	240	3	US-09-192-854-2
17	1047	82.6	240	3	US-09-968-561A-2
18	1047	82.6	240	3	US-09-968-744A-2
19	1047	82.6	240	3	US-09-968-744A-2
20	1047	82.6	240	6	US-10-744-774-1
21	1047	82.6	240	6	US-11-115-682-2
22	1046	82.6	250	4	US-10-433-847-12
23	1046	82.6	250	4	US-10-831-063-12
24	1044	82.4	240	5	US-10-935-290-92
25	1043.5	82.4	243	3	US-09-880-748-1935
26	1043.5	82.4	243	3	US-10-293-418-1935
27	1041	82.2	249	4	US-10-423-847-16

## ALIGNMENTS

RESULT 1	US-10-855-755-2	US-10-831-063-16
Sequence 2, Application US/10855755		Sequence 16, Appl
Publication No. US20050037339A1		Sequence 15, Appl
GENERAL INFORMATION:		Sequence 15, Appl
APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA		Sequence 15, Appl
APPLICANT: Marks, James D		Sequence 15, Appl
APPLICANT: Poul, Marie A		Sequence 15, Appl
APPLICANT: Becerril, Baltazar		Sequence 15, Appl
TITLE OF INVENTION: METHODS OF SELECTING INTERNALIZING ANTIBODIES		Sequence 15, Appl
FILE REFERENCE: 407J-995011US		Sequence 15, Appl
CURRENT APPLICATION NUMBER: US/10/855,755		Sequence 15, Appl
PRIOR FILING DATE: 2004-05-26		Sequence 15, Appl
PRIOR APPLICATION NUMBER: US 60/082,953		Sequence 15, Appl
NUMBER OF SEQ ID NOS: 4		Sequence 15, Appl
SOFTWARE: PatentIn version 3.2		Sequence 15, Appl
SEQ ID NO 2		Sequence 15, Appl
LENGTH: 242		Sequence 15, Appl
TYPE: PRT		Sequence 15, Appl
ORGANISM: Artificial		Sequence 15, Appl
FEATURE:		Sequence 15, Appl
OTHER INFORMATION: Human phage display antibody		Sequence 15, Appl
NAME/KEY: SITE		Sequence 15, Appl
LOCATION: (31)..(35)		Sequence 15, Appl
OTHER INFORMATION: VH-CDR1		Sequence 15, Appl
NAME/KEY: SITE		Sequence 15, Appl
LOCATION: (50)..(66)		Sequence 15, Appl
OTHER INFORMATION: VH-CDR2		Sequence 15, Appl
NAME/KEY: SITE		Sequence 15, Appl
LOCATION: (99)..(108)		Sequence 15, Appl
OTHER INFORMATION: VH-CDR3		Sequence 15, Appl
NAME/KEY: SITE		Sequence 15, Appl
LOCATION: (157)..(167)		Sequence 15, Appl
OTHER INFORMATION: VL-CDR1		Sequence 15, Appl
NAME/KEY: SITE		Sequence 15, Appl
LOCATION: (184)..(190)		Sequence 15, Appl
OTHER INFORMATION: VL-CDR2		Sequence 15, Appl
NAME/KEY: SITE		Sequence 15, Appl
LOCATION: (223)..(231)		Sequence 15, Appl
OTHER INFORMATION: VL-CDR3		Sequence 15, Appl
US-10-855-755-2		Sequence 15, Appl
Query Match	100.0%; Score 1267; DB 5; Length 242;	Sequence 15, Appl

Best Local Similarity 100.0%; Pred. No. 8.4e-79;  
Matches 242; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	QVQVYSSGGGLVQPGGSLRLSCAASGFTSSVAMGMVQAQKGLIEWWSISGSSRIYY	60
Db	QVQVYSSGGGLVQPGGSLRLSCAASGFTSSVAMGMVQAQKGLIEWWSISGSSRIYY	60
	1	
QY	ADSVKGRFTTSDRNSKNTLLQLMNSLRADTVVYCAKMDASGYSFNFVGGTILVYSSG	120
Db	ADSVKGRFTTSDRNSKNTLLQLMNSLRADTVVYCAKMDASGYSFNFVGGTILVYSSG	120
	61	
QY	GGSGGGGGSGGGSEFTTLTQSPSPFLSAFYGDRIITITCRASPGIRINRYLAWYQKRGKAPKL	180
Db	GGSGGGGGSGGGSEFTTLTQSPSPFLSAFYGDRIITITCRASPGIRINRYLAWYQKRGKAPKL	180
	121	
QY	LIYAASTLTQSGVPSRFSFGSGSGTDFTLTLSISLPEDPAFYTCQYNISYPLSPFGGKTVEI	240
Db	LIYAASTLTQSGVPSRFSFGSGSGTDFTLTLSISLPEDPAFYTCQYNISYPLSPFGGKTVEI	240
	181	
QY	241 KR 242	
Db	241 KR 242	

## RESULT 2

```

US-10-935-290-80
/ Sequence 80, Application US/10935290
/ Publication No. US20050069542A1
/ GENERAL INFORMATION:
/ APPLICANT: Baker et al.
/ TITLE OF INVENTION: Antibodies that Specifically Bind to GMAD
/ FILE REFERENCE: Pf584P1
/ CURRENT APPLICATION NUMBER: US/10/935,290
/ CURRENT FILING DATE: 2004-09-08
/ PRIOR APPLICATION NUMBER: PCT/US03/09625
/ PRIOR FILING DATE: 2003-03-28
/ PRIOR APPLICATION NUMBER: 60/368,813
/ PRIOR FILING DATE: 2002-04-01
/ NUMBER OF SEQ ID NOS: 234
/ SEQ ID NO 80
/ LENGTH: 239
/ TYPE: PRT
/ ORGANISM: Artificial sequence
/ FEATURE:
/ OTHER INFORMATION: scFv protein GMBc655
US-10-935-290-80

```

Query Match	85.6%;	Score 1084.5;	DB 5;	Length 239;
Best Local Similarity	85.1%;	Pred. No. 2.3e-66;		
Matches 206;	Conservative 16;	Mismatches 17;	Indels 3;	Gaps 1;

[illegible]

### RESULT 3

```

US-10-406-830-10
: Sequence 10, Application US/10406830
: Publication No. US20040071696A1
: GENERAL INFORMATION:
: APPLICANT: ADAMS, GREGORY P.
: APPLICANT: HORAK, EVA M.
: APPLICANT: WEINER, LOUIS M.
: APPLICANT: JAMES, MARKS D.
: TITLE OF INVENTION: BISPECIFIC SINGLE CHAIN Fv ANTIBODY MOLECULES AND METHODS OF USE
: TITLE OF INVENTION: THEREOP
: FILE REFERENCE: 407T-000410US
: CURRENT APPLICATION NUMBER: US/10/406,830
: CURRENT FILING DATE: 2003-04-04
: PRIOR APPLICATION NUMBER: US 60/370,276
: PRIOR FILING DATE: 2002-04-05
: NUMBER OF SEQ ID NOS: 37
: SOFTWARE: PatentIn version 3.2
: SEQ ID NO 10
: LENGTH: 291
: TYPE: PRT
: ORGANISM: Artificial
: FEATURE:
: OTHER INFORMATION: Synthetic antibody.
US-10-406-830-10

```

Query Match	84.4%;	Score 1059;	DB 4;	Length 291;
Best Local Similarity	84.1%;	Pred. No. 3.2e-65;		
Matches 207; Conservative	13;	Mismatches 22;	Indels 4;	Gaps 1;

Qy	1	QVQLVESGGGLYVPFGSGSLRLSCAASGFFSSYAMGWNAQAPGKGLEWVSISGSGRITY	60
Dd	23	QVQLVESGGGVQPGSRSLRSLSCAASPGLFSSYAMSWNAQAPGKLEWVSISGSGRITY	82
Qy	61	ADSVKGRFTISRDNSTLTLYIQMNSLRAEPTAVYYCAMDASG---YFNFWGGITLVY	116
Dd	83	ADSVKGRFTISRDNSTLTLYIQMNSLRAEPTALYYCAEGYSMNMMNYFDLMGRITLVY	142
Qy	117	VSSGGGGSGGGSGGGSGSETTLTOSPSPLAFVGDRITITRASPGINYLAWYQQKPGK	176
Dd	143	VSSGGGGSGGGSGGGSGSEIVLTOSPSSLASVGDRAVITTCRASGISISLNMWYQQKPK	202
Qy	177	APKLIIYAASTLGSPSPRFSGSGSGDTFTLTISSLQPEDPATYYYCOQYNSTPYLSFGGGT	236
Dd	203	APKLIIYAASLTQGPSPRFSGSGSGDTFTLTISSLQPDPEATYYYCOQYNSTPYMTFGGGT	262
Qy	237	KVEIKR 242	
		:	
Dd	263	KLEIKR 268	
		:	

## RESULT 4

```

US-09-818-247-22
; Sequence 22, Application US/09818247
; Patent No. US20020102657A1
; GENERAL INFORMATION:
; APPLICANT: Mostov, Keith E.
; APPLICANT: Chaplin, Steven J.
; APPLICANT: Richman-Eisenstat, Janice
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Ligands Directed to the No. US20020102657A1-Secretory Component
; TITLE OF INVENTION: No. US20020102657A1-Scalk Region of p18r and Methods of Use Th
; FILE REFERENCE: 18062E-000910US
; CURRENT APPLICATION NUMBER: US/09/818,247
; PRIOR APPLICATION NUMBER: WO PCT/US01/09699
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 60/192,197
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,198
; PRIOR FILING DATE: 2000-03-27
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22

```



```

; LENGTH: 288
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial
US-09-818-247-22
; OTHER INFORMATION: Sequence: pelb/4Af/myc/6HIS

Query Match      84.1%; Score 1065.5; DB 3; Length 288;
Best Local Similarity 84.8%; Pred. No. 5.4e-65;
Matches 206; Conservative 12; Mismatches 24; Indels 1; Gaps 1;

QY 1 QVQLVSGGGLVQPGSRLISCAASGFTFSYAMGVNQAPKGLIEWVSSISGSSRYIY 60
DB 23 QVQLVSGGGLVQPGSRLISCAASGFTFSYAMGVNQAPKGLIEWVSAISGSGSTY 82

QY 61 ADVKGRFTISRDNKNTLYLQNMNSLRABDTAVYYCAK-MDASGSYFNFGQGLVTVSS 119
DB 83 ADVKGRFTISRDNKNTLYLQNMNSLRABDTAVYYCAKSPFTVNSGYFQHMGGGLVTVSS 142

QY 120 GGGSGGGSGGGSGSETTLTQSPFLSAFVGDRIITTCRASGIRNYLAWYQOKPKAPK 179
DB 143 GGGSGGGSGGGSGSEIYLTQSPFLSASIGDRVITTCRASGIIYHMLAWYQOKPKAPK 202

QY 180 LLTYASTLQSGVPSRFSGSGGDTFTLTISLQPEDPATYCCQYNSSYPLSGGKTYE 239
DB 203 LLTYKASSLASGVPSRFSGSGGDTFTLTISLQPEDPATYCCQHYDSTPTFGQGTKVD 262

QY 240 IKR 242
DB 263 IKR 265

RESULT 5
US-11-038-956-22
; Sequence 22, Application US/11038956
; Publication No. US20050201932A1
; GENERAL INFORMATION:
; APPLICANT: Mostov, Keith E.
; APPLICANT: Chapman, Steven J.
; APPLICANT: Richman-Eisenstat, Janice
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Ligands Directed to the Non-Secretory Component,
; FILE REFERENCE: 18062E-000910US
; CURRENT APPLICATION NUMBER: US/11/038,956
; CURRENT FILING DATE: 2005-01-19
; PRIOR APPLICATION NUMBER: US/09/818,247
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: WO PCT/US01/09699
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: US 60/192,197
; PRIOR FILING DATE: 2000-03-27
; PRIOR APPLICATION NUMBER: US 60/192,198
; PRIOR FILING DATE: 2000-03-27
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial
; OTHER INFORMATION: Sequence: pelb/4Af/myc/6HIS
US-11-038-956-22

Query Match      84.1%; Score 1065.5; DB 6; Length 288;
Best Local Similarity 84.8%; Pred. No. 5.4e-65;
Matches 206; Conservative 12; Mismatches 24; Indels 1; Gaps 1;

QY 1 QVQLVSGGGLVQPGSRLISCAASGFTFSYAMGVNQAPKGLIEWVSSISGSSRYIY 60
DB 23 QVQLVSGGGLVQPGSRLISCAASGFTFSYAMGVNQAPKGLIEWVSAISGSGSTY 82

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QY 61 ADVKGRFTISRDNKNTLYLQNMNSLRABDTAVYYCAK-MDASGSYFNFGQGLVTVSS 119
DB 83 ADVKGRFTISRDNKNTLYLQNMNSLRABDTAVYYCAKSPFTVNSGYFQHMGGGLVTVSS 142

QY 120 GGGSGGGSGGGSGSETTLTQSPFLSAFVGDRIITTCRASGIRNYLAWYQOKPKAPK 179
DB 143 GGGSGGGSGGGSGSEIYLTQSPFLSASIGDRVITTCRASGIIYHMLAWYQOKPKAPK 202

QY 180 LLTYASTLQSGVPSRFSGSGGDTFTLTISLQPEDPATYCCQYNSSYPLSGGKTYE 239
DB 203 LLTYKASSLASGVPSRFSGSGGDTFTLTISLQPEDPATYCCQHYDSTPTFGQGTKVD 262

QY 240 IKR 242
DB 263 IKR 265

RESULT 6
US-09-880-748-1923
; Sequence 1923, Application US/09880748
; Publication No. US20030059937A1
; GENERAL INFORMATION:
; APPLICANT: Ruden et al.
; TITLE OF INVENTION: Antibodies that Immunoselectively Bind Blyx
; FILE REFERENCE: P5523
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; NUMBER OF SEQ ID NOS: 3239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1923
; LENGTH: 247
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-880-748-1923

Query Match      83.7%; Score 1060.5; DB 3; Length 247;
Best Local Similarity 82.2%; Pred. No. 1e-64;
Matches 203; Conservative 20; Mismatches 19; Indels 5; Gaps 2;

QY 1 QVQLVSGGGLVQPGSRLISCAASGFTFSYAMGVNQAPKGLIEWVSSISGSSRYIY 60
DB 1 EVQLVSGGGLVQPGSRLISCAASGFTFSYAMGVNQAPKGLIEWVSAISGSGSTY 60

QY 61 ADVKGRFTISRDNKNTLYLQNMNSLRABDTAVYYCAKMDA--SGS--YFNFGQGLV 115
DB 61 ADVKGRFTISRDNKNTLYLQNMNSLRABDTAVYYCAKAGNPRSGSLVYFDYGRRTMV 120

QY 116 TVSSGGGSGGGSGSETTLTQSPFLSAFVGDRIITTCRASGIRNYLAWYQOKPK 175
DB 121 TVSSGGGSGGGSGGSDITQMTQSPFLSASIGDRVITTCRASGIIYHMLAWYQOKPK 180

QY 176 KAPLLIYAASLTQSGVPSRFSGSGGDTFTLTISLQPEDPATYCCQYNSSYPLSGGG 235
DB 181 KAPLLIYRASSLASGAPSRFSGSGGDTFTLTISLQPEDPATYCCQYNSSYPLSGGG 240

QY 236 TKVEIKR 242
DB 241 TKVKIKR 247

RESULT 7
US-10-293-418-1923

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```

      / PRIOR FILING DATE: 2001-03-21
      / PRIOR APPLICATION NUMBER: 60/293,499
      / PRIOR FILING DATE: 2001-05-25
      / NUMBER OF SEQ ID NOS: 3239
      / SOFTWARE: PatentIn Ver. 2.0
      / SEQ ID NO 1922
      / LENGTH: 239
      / TYPE: PRT
      / ORGANISM: Homo sapiens
      / US-09-880-748-1922

Query Match          83.5%; Score 1058.5; DB 3; Length 239;
Best Local Similarity 83.5%; Pred. No. 1.4e-64;
Matches 202; Conservative 18; Mismatches 19; Indels 3; Gaps 1;

QY      1 QVQLVESGGGLVPGGSLRLSCAASGETFSSSYANGWTRAPFGKLEWYSSISGSRIRYY 60
       :|::|||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
DB      1 EVQLVERIGGGLVPGGSLRLSCAASGETFSSSYAMSWRQAPGKLEWYSALISGGSITYY 60

QY      61 ADSVKGRFTISRDNKSTLTLYIQMNSLRADPAVAHYAAKMDASGYENFNGGTLVTYSSG 120
       :|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
DB      61 ADSVKGRFTISRDNKSTLTLYIQMNSLRADPAVAHYAAK--GMWDGVNKGTLVTYSSG 117

QY      121 GGSGGGSGGGSGSETLITGPSFLSAFVGDRITTCRASPGIRNYLAAMYQAOKPKAKPL 180
       |||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
DB      118 GGSGGGSGGGSGSDIQWTGPSFLTSLASIGDRVITTCRASGCIYHMLAMYOOKPKAKPL 177

QY      181 LIYAATLQSAGVPSPRFSGSGGTFTLLTSLSQEDPFAYYYCOQYNSTYLSFGGKTAYEI 240
       |||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
DB      178 LIYAASSLASAGPRFSGSGGTDTFTLLTSSLSQPDPAFYCYCQQYSNYPILFFGGGTKEI 237

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```

RESULT 9
US-10-293-418-1922
; Sequence 1922, Application US/10293418
; Publication No. US2003022396A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind BlyS
; FILE REFERENCE: PFS23P2
; CURRENT APPLICATION NUMBER: US/10/293,418
; CURRENT FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-16
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1922
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-293-418-1922

Query Match      83.5%; Score 1058.5; DB 4; Length 239;
Best Local Similarity 83.5%; Pred. No. 1.4e-64;
Matches 292; Conservative 18; Mismatches 19; Indels 3; Gaps 1

```

```

QY 1 QVQLVSGGGLVOPGGSLRLSCAASGFTSSYAMGVRAQPKGLKLEWVSISGSSRTYY 60
DB 1 EVQLVGGGGLVOPGGSLRLSCAASGFTSSYAMGVRAQPKGLKLEWVSISGSSRTYY 60
QY 61 ADVSKRFTTISDNKNTLYIQMNSLRAEDTAVYYCAKMDASGYFNFVGGTLVTYSSG 120
DB 61 ADVSKRFTTISDNKNTLYIQMNSLRAEDTAVYYCAKMDASGYFNFVGGTLVTYSSG 117
QY 121 GGGSGGGGGGGGGSETTLTQSPFLSAFVGDRTITTCRASPGIRNYLAWYQOKPKAPKL 180
DB 121 GGGSGGGGGGGGGSETTLTQSPFLSAFVGDRTITTCRASPGIRNYLAWYQOKPKAPKL 177
QY 118 GGGSGGGGGGGGGSDIQMTQSPSTLSASIDRVITTCRASPGIRNYLAWYQOKPKAPKL 177
DB 118 GGGSGGGGGGGGGSDIQMTQSPSTLSASIDRVITTCRASPGIRNYLAWYQOKPKAPKL 177
QY 181 LIYAASLTQSGVPSRFSGSGGTDTFTLTISLQPEDPATYVCOQYNSYPLSFSGGTVEI 240
DB 178 LIYKASLTASGAPSRFSGSGGTDTFTLTISLQPEDPATYVCOQYNSYPLTFGGGTLEI 237
QY 241 KR 242
DB 238 KR 239

```

# RESULT 10

```

US-10-778-394-76
; Sequence 76, Application US/10778394
; Publication No. US20050208585A1
; GENERAL INFORMATION:
; APPLICANT: Adams, Camellia M.
; APPLICANT: Carter, Paul J.
; APPLICANT: Fendly, Brian M.
; APPLICANT: Gurney, Austin L.
; TITLE OF INVENTION: Agonist Antibodies
; FILE REFERENCE: 9491-013-27
; CURRENT APPLICATION NUMBER: US/10/778,394
; CURRENT FILING DATE: 2004-02-17
; PRIOR APPLICATION NUMBER: US/09/138,091
; PRIOR FILING DATE: 1998-08-21
; PRIOR APPLICATION NUMBER: US 60/056,736
; PRIOR FILING DATE: 1997-08-22
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 76
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: single chain antibody (scFv) fragments
; NAME/KEY: VARIANT
; LOCATION: 208
; OTHER INFORMATION: Xaa = Any Amino Acid
US-10-778-394-76

```

Query Match 83.5%; Score 1057.5; DB 5; Length 245;  
 Best Local Similarity 83.1%; Pred. No. 16-64;  
 Matches 201; Conservative 20; Mismatches 20; Indels 1; Gaps 1;

```

QY 1 QVQLVSGGGLVOPGGSLRLSCAASGFTSSYAMGVRAQPKGLKLEWVSISGSSRTYY 60
DB 3 QVQLVSGGGLVOPGGSLRLSCAASGFTSSYAMGVRAQPKGLKLEWVSISGSSRTYY 62
QY 61 ADVSKRFTTISDNKNTLYIQMNSLRAEDTAVYYCAKMDASGYFNFVGGTLVTYSSG 120
DB 63 ADVSKRFTTISDNKNTLYIQMNSLRAEDTAVYYCAR-DKSGTMDWGWGTLVTYSSG 121
QY 121 GGGSGGGGGGGGGSETTLTQSPFLSAFVGDRTITTCRASPGIRNYLAWYQOKPKAPKL 180
DB 122 GGGSGGGGGGGGGSDIQMTQSPSTLSASIDRVITTCRASPGIRNYLAWYQOKPKAPKL 181
QY 181 LIYAASLTQSGVPSRFSGSGGTDTFTLTISLQPEDPATYVCOQYNSYPLSFSGGTVEI 240
DB 182 LIYKASLTASGAPSRFSGSGGTDTFTLTISLQPEDPATYVCOQYNSYPLTFGGGTLEI 241
QY 241 KR 242

```

```

DB 242 KR 243

```

## RESULT 11

```

US-11-017-030-6
; Sequence 6, Application US/11017030
; Publication No. US2005015831A1
; GENERAL INFORMATION:
; APPLICANT: Rosen, et al.
; TITLE OF INVENTION: Antibodies that Specifically Bind to Reg IV
; FILE REFERENCE: PFS92PCT
; CURRENT APPLICATION NUMBER: US/11/017,030
; CURRENT FILING DATE: 2004-12-21
; PRIOR APPLICATION NUMBER: PCT/US03/19908
; PRIOR FILING DATE: 2003-06-26
; PRIOR APPLICATION NUMBER: 60/392,382
; PRIOR FILING DATE: 2002-07-01
; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 6
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: scFv protein R8B0110
US-11-017-030-6

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Query Match 83.0%; Score 1051.5; DB 6; Length 243;  
 Best Local Similarity 83.7%; Pred. No. 4-26-64;  
 Matches 205; Conservative 14; Mismatches 21; Indels 5; Gaps 2;

```

QY 1 QVQLVSGGGLVOPGGSLRLSCAASGFTSSYAMGVRAQPKGLKLEWVSISGSSRTYY 60
DB 1 EVQLVGGGGLVOPGGSLRLSCAASGFTSSYAMGVRAQPKGLKLEWVSISGSSRTYY 60
QY 61 ADVSKRFTTISDNKNTLYIQMNSLRAEDTAVYYCAKMDASGYFNFVGGTLVTY 117
DB 61 ADVSKRFTTISDNKNTLYIQMNSLRAEDTAVYYCAKMDASGYFNFVGGTLVTY 118
QY 118 SGGSGGGGGGGGGSETTLTQSPFLSAFVGDRTITTCRASPGIRNYLAWYQOKPKA 177
DB 119 SGGSGGGGGGGGGSDIQMTQSPSTLSASIDRVITTCRASPGIRNYLAWYQOKPKA 178
QY 178 PKLIIYAASLTQSGVPSRFSGSGGTDTFTLTISLQPEDPATYVCOQYNSYPLSFSGGT 237
DB 179 PKLIIYAASLTQSGVPSRFSGSGGTDTFTLTISLQPEDPATYVCOQYNSYPLTFGGGT 238
QY 238 VEIKR 242
DB 239 LEIKR 243

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## RESULT 12

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US-09-980-748-1882
; Sequence 1882, Application US/09880748
; Publication No. US2003005937A1
; GENERAL INFORMATION:
; APPLICANT: Rubenec, al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PFS23
; CURRENT APPLICATION NUMBER: US/09/880,748
; CURRENT FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/212,210
; PRIOR FILING DATE: 2000-06-15
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25

```



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/ Sequence 1421, Application US/10293418
/ Publication No. US20030223996A1
/ GENERAL INFORMATION:
/ APPLICANT: Ruben et al.
/ TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
/ FILE REFERENCE: PF523P2
/ CURRENT APPLICATION NUMBER: US/10/293,418
/ CURRENT FILING DATE: 2002-11-27
/ PRIOR APPLICATION NUMBER: 60/331,469
/ PRIOR FILING DATE: 2001-11-16
/ PRIOR APPLICATION NUMBER: 60/340,817
/ PRIOR FILING DATE: 2001-12-19
/ PRIOR APPLICATION NUMBER: 09/880,748
/ PRIOR FILING DATE: 2001-06-15
/ PRIOR APPLICATION NUMBER: 60/293,499
/ PRIOR FILING DATE: 2001-05-25
/ PRIOR APPLICATION NUMBER: 60/277,379
/ PRIOR FILING DATE: 2001-03-21
/ PRIOR APPLICATION NUMBER: 60/276,248
/ PRIOR FILING DATE: 2001-03-16
/ PRIOR APPLICATION NUMBER: 60/240,816
/ PRIOR FILING DATE: 2000-10-17
/ PRIOR APPLICATION NUMBER: 60/212,210
/ PRIOR FILING DATE: 2000-06-16
/ NUMBER OF SEQ ID NOS: 3247
/ SEQ ID NO 1421
/ LENGTH: 248
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-293-418-1421

Query Match      82.9%; Score 1050; DB 4; Length 248;
Best Local Similarity 80.6%; Pred. No. 5,4e-64;
Matches 200; Conservative 20; Mismatches 22; Indels 6; Gaps 1;

QY      1 QVQLVESGGGLVQPGGSLRLSCAASGFTFSYAMGVNROAPGKGLEWVSSISGSSRYYY 60
DB      1 EVQLVESGGGLVQPGGSLRLSCAASGFTFSYAMHVRQAPGKGLEWVAIVSYDGSNKYY 60
QY      61 ADSVKGRTISRDNKNTLYIQMNSLRADDTAVYYCAK-----MDASGYFNFMGQGT 114
DB      61 ADSVKGRTISRDNKNTLYIQMNSLRADDTAVYYCAKAYDYDILTYGYFFDYWGKGT 120
QY      115 VTVSSGGGGSGGGSGGGSETTLTQSPFLSAFVGDRTITCRASPGIRNYLAWYQOKP 174
DB      121 VTVSSGGGGSGGGSGGGSDIQMTQSPSTMSASISGRVTITCRASBGITHMLAWYQOKP 180
QY      175 GKAPLLIYAASTLQSGVPSRFSGGSGGTDPTLTISLQPEDPATYVCOQNSYPLSPFG 234
DB      181 GKAPLLIYKASLSLQSGVPSRFSGGSGGTDPTLTISLQPEDPATYVCOQNSYPLSPFG 240
QY      235 GTKVEIKR 242
DB      241 GTKLEIKR 248

Search completed: March 17, 2006, 11:12:56
Job time : 110.594 secs
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*This Page Blank (uspto)*

GenCore version 5.1.7  
Copyright (c) 1993 - 2006 Bioacceleration Ltd.

OM protein - protein search, using sw model

Run on: March 17, 2006, 11:09:21 ; Search time 14.3811 Seconds  
(without alignment)  
481.654 Million cell updates/sec

Title: US-09-250-056B-2

Perfect score: 1267

Sequence: 1 QVAVESGGGLVPGGSLRL.....QQNSYPLSGGGRKVEIKR 242

Scoring table:

Gapop 10.0 , Gapext 0.5

Searched: 169630 seqs, 28622889 residues

Total number of hits satisfying chosen parameters: 169630

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1060.5	83.7	247	US-11-054-515-1923	Sequence 1923, Ap
2	1058.5	83.5	239	US-11-054-515-1922	Sequence 1922, Ap
3	1050.5	82.9	239	US-11-054-515-1882	Sequence 1882, Ap
4	1050	82.6	248	US-11-054-515-1421	Sequence 1421, Ap
5	1047	82.6	240	US-10-925-366A-219	Sequence 219, App1
6	1046	82.6	264	US-11-176-525-1	Sequence 1, App1
7	1043.5	82.4	243	US-11-054-515-1935	Sequence 1935, Ap
8	1040.5	82.1	251	US-11-054-515-1310	Sequence 1310, Ap
9	1033.5	81.6	243	US-11-054-515-1945	Sequence 1945, Ap
10	1031	81.4	244	US-11-054-515-82	Sequence 82, App1
11	1029.5	81.3	237	US-11-054-515-2005	Sequence 2005, Ap
12	1029.5	81.3	241	US-11-054-515-1869	Sequence 1869, Ap
13	1029.5	81.3	241	US-11-054-515-1901	Sequence 1901, Ap
14	1029.5	81.3	247	US-11-054-515-1177	Sequence 1177, Ap
15	1027.5	81.1	237	US-11-054-515-2114	Sequence 2114, Ap
16	1027.5	81.1	244	US-11-054-515-164	Sequence 164, App
17	1026.5	81.0	237	US-11-054-515-2037	Sequence 2037, Ap
18	1026.5	81.0	237	US-11-054-515-2077	Sequence 2077, Ap
19	1026.5	81.0	244	US-11-054-515-280	Sequence 280, App
20	1025.5	80.9	237	US-11-054-515-2003	Sequence 2003, App
21	1025.5	80.9	237	US-11-054-515-2017	Sequence 2017, App
22	1025.5	80.9	237	US-11-054-515-2110	Sequence 2110, App
23	1025.5	80.9	237	US-11-054-515-2115	Sequence 2115, App
24	1025.5	80.9	237	US-11-054-515-2118	Sequence 2118, App
25	1025.5	80.9	257	US-11-056-825-10	Sequence 10, App1

26	1024.5	80.9	237	US-11-054-515-1906	Sequence 1906, Ap
27	1024.5	80.9	237	US-11-054-515-2104	Sequence 2104, Ap
28	1024.5	80.9	241	US-11-054-515-1887	Sequence 1887, Ap
29	1023.5	80.8	237	US-11-054-515-2019	Sequence 2019, Ap
30	1023.5	80.8	237	US-11-054-515-2028	Sequence 2028, Ap
31	1023.5	80.8	237	US-11-054-515-2040	Sequence 2040, Ap
32	1023.5	80.8	237	US-11-054-515-2111	Sequence 2111, Ap
33	1023	80.7	244	US-11-054-515-261	Sequence 261, App
34	1022	80.7	248	US-11-054-515-1876	Sequence 1876, Ap
35	1018.5	80.4	237	US-11-054-515-2043	Sequence 2043, Ap
36	1016.5	80.2	245	US-10-902-546-13	Sequence 13, App1
37	1008	79.6	363	US-11-000-463-335	Sequence 335, App
38	1007.5	79.5	251	US-11-054-515-1922	Sequence 1922, App
39	1005.5	79.4	251	US-11-054-515-1920	Sequence 1920, App
40	1001.5	79.0	241	US-11-054-515-1932	Sequence 1932, Ap
41	999.5	78.9	241	US-11-054-515-2054	Sequence 2054, Ap
42	992	78.3	248	US-11-054-515-1004	Sequence 1004, Ap
43	990	78.1	238	US-11-054-515-2053	Sequence 2053, Ap
44	989.5	78.1	253	US-11-054-515-936	Sequence 936, App
45	986.5	77.9	243	US-11-054-515-1883	Sequence 1883, Ap

## ALIGNMENTS

RESULT 1  
US-11-054-515-1923  
Sequence 1923, Application US/11054515  
Publication No. US20050253532A1  
GENERAL INFORMATION:  
APPLICANT: Ruben et al.  
TITLE OF INVENTION: Antibodies that Immunoselectively Bind BLys  
FILE REFERENCE: P5323P  
CURRENT FILING DATE: 2005-02-10  
PRIOR FILING DATE: 2004-02-11  
PRIOR FILING DATE: 2004-02-11  
PRIOR FILING DATE: 2004-06-18  
PRIOR FILING DATE: 2004-06-18  
PRIOR FILING DATE: 2004-06-18  
PRIOR FILING DATE: 2002-11-14  
PRIOR FILING DATE: 2002-11-14  
PRIOR FILING DATE: 2001-11-16  
PRIOR FILING DATE: 2001-12-19  
PRIOR FILING DATE: 2001-12-19  
PRIOR FILING DATE: 2001-06-15  
PRIOR FILING DATE: 2001-06-15  
PRIOR FILING DATE: 2001-06-15  
PRIOR FILING DATE: 2001-05-25  
PRIOR FILING DATE: 2001-05-25  
PRIOR FILING DATE: 2001-03-21  
PRIOR FILING DATE: 2001-03-21  
PRIOR FILING DATE: 2001-03-16  
PRIOR FILING DATE: 2000-10-17  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 3247  
SEQ ID NO 1923  
LENGTH: 247  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-11-054-515-1923  
Query Match 83.7%, Score 1060.5, DB 7, Length 247,  
Best Local Similarity 82.4%, Pred. No. 1e-73,  
Matches 203, Conservative 20, Mismatches 19, Indels 5, Gaps 2,  
QY 1 QVAVESGGGLVPGGSLRLSCAAGFTSSYAMGWVROAPGKLEWVSSISGSSRYTY 60  
DB 1 QVAVESGGGLVPGGSLRLSCAAGFTSSYAMGWVROAPGKLEWVSSISGSSRYTY 60  
QY 61 ADVYGRFTISRDNSKNTLYLQMNSLRPEDYAVYYCAKMDA---SGS--YFNFVGGTLY 115  
|||||

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Db      61 ADSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYCAKAGNDRSGSLVFDYWGRTW 120
QY      116 TVSSGGGGGGGGGGGGTTLTQSPFLSAFVGRITTCRASPGIRNYLAWYQKPG 175
Db      121 TVSSGGGGGGGGGGGGSDIQMTQSPSTLSASIGDVTTCRASEGTYHRLAWYQKPG 180
QY      176 KAKFLIYAASLTQSGVPSRFSGSGGTDFTLTISLQPEDPATYVYCOQYNSYPLSPGCG 235
Db      181 KAKFLIYKASSLASGAPSRFSGSGGTDFTLTISLQPDPAFYVYCOQYNSYPLSPGCG 240
QY      236 TKVEIKR 242
Db      241 TKLRIK 247

RESULT 2
US-11-054-515-1922
; Sequence 1922, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; PRIOR FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1922
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1922

Query Match      83.5%; Score 1058.5; DB 7; Length 239;
Best Local Similarity 83.5%; Pred. No. 1.4e-73;
Matches 202; Conservative 18; Mismatches 19; Indels 3; Gaps 1;
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QY      241 KR 242
Db      238 KR 239

RESULT 3
US-11-054-515-1882
; Sequence 1882, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; PRIOR FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1882
; LENGTH: 239
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1882

Query Match      82.9%; Score 1050.5; DB 7; Length 239;
Best Local Similarity 81.8%; Pred. No. 5.6e-73;
Matches 198; Conservative 23; Mismatches 18; Indels 3; Gaps 1;
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QY      1 QVQLVDSGGGLVDPGGSLRLSCAASGFTFSYAMGWROAPGKLEWVSISGSSRIYY 60
Db      1 QVQLVDSGGGLVDPGGSLRLSCAASGFTFSYAMGWROAPGKLEWVAVSSIDGGRKYY 60
QY      61 ADSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYCAKAGNDRSGSLVFDYWGRTW 120
Db      61 ADSVKGRFTISRDNKNTLYLQMNSLRAEDTAVYCAKAGNDRSGSLVFDYWGRTW 117
QY      121 GGGSGGGGGGGGGGGTTLTQSPFLSAFVGRITTCRASPGIRNYLAWYQKPGKAPKL 180
Db      118 GGGSGGGGGGGGGGGSDIQMTQSPSTLSASIGDVTTCRASEGTYHRLAWYQKPGKAPKL 177
QY      181 LIYAASLTQSGVPSRFSGSGGTDFTLTISLQPEDPATYVYCOQYNSYPLSPGCGTVEI 240
Db      178 LIYAASLTQSGVPSRFSGSGGTDFTLTISLQPDPAFYVYCOQYNSYPLSPGCGTVEI 237
QY      241 KR 242
Db      238 KR 239

RESULT 4
US-11-054-515-1421
; Sequence 1421, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
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APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunospecifically Bind Bvys
FILE REFERENCE: PF523P3
CURRENT APPLICATION NUMBER: US/11/054,515
CURRENT FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
Remaining Prior Application data removed - See File Wrapper or PAM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 1421
LENGTH: 248
TYPE: PRT
ORGANISM: Homo sapiens
US-11-054-515-1421

Query Match      82.9%; Score 1050; DB 7; Length 248;
Best Local Similarity 80.6%; Pred. No. 6.3e-73;
Matches 200; Conservative 20; Mismatches 22; Indels 6; Gaps 1;

QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMGWVROAPKGLIEWVSSISGSSRYIY 60
DB 1 EVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMHWVROAPKGLIEWVAIVISGSSNKYY 60
QY 61 ADSVKGRTISRDNKNTLYLQMNSLRAEDTAVYYCAK-----MDASGYFNFMGQGL 114
DB 61 ADSVKGRTISRDNKNTLYLQMNSLRAEDTAVYYCARAVDYDILTGYSYFDYWGKGL 120
QY 115 VVYSSGGGSGGGGSEFTLTQSPSPFLSAFVGDRIITTCRASPGIRNYLAWYQOKP 174
DB 121 VVYSSGGGSGGGGSDIOMTQSPSTMSASIGDRVITTCRASBGIVHMLAWYQOKP 180
QY 175 GKAPKLLIYAASLTQSGVPSRPSGSGGTDFTLTISLQPEDPATYYCCQVNSYPLSPFG 234
DB 181 GKAPKLLIYKASLSASGAPSRPSGSGGTDFTLTISLQPDPAITYYCCQVNSYPLSPFG 240
QY 235 GTVVEIKR 242
DB 241 GTVVEIKR 248

RESULT 5
US-10-925-366A-219
Sequence 219, Application US/10925366A
Publication No. US2005027163A1
GENERAL INFORMATION:
APPLICANT: Ignatovich, Olga
APPLICANT: Demilde, Rudolph M.T.
APPLICANT: Benjamin, Woolven
APPLICANT: Grant, Steven
APPLICANT: Jones, Phillip
APPLICANT: Basran, Amirik
APPLICANT: Brewis, Neil
TITLE OF INVENTION: Compositions and Methods for Treating Inflammatory Disorders
FILE REFERENCE: 8039/2105
CURRENT APPLICATION NUMBER: US/10/925,366A

```

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CURRENT FILING DATE: 2004-08-24
PRIOR APPLICATION NUMBER: US 10/744,774
PRIOR FILING DATE: 2003-12-23
PRIOR APPLICATION NUMBER: PCT/GB2003/002804
PRIOR FILING DATE: 2003-06-30
PRIOR APPLICATION NUMBER: PCT/GB2002/03014
PRIOR FILING DATE: 2002-06-28
PRIOR APPLICATION NUMBER: GB 0230202.4
PRIOR FILING DATE: 2002-12-27
PRIOR APPLICATION NUMBER: GB 115841.9
PRIOR FILING DATE: 2001-06-28
PRIOR APPLICATION NUMBER: PCT/GB2004/002829
PRIOR FILING DATE: 2004-06-30
PRIOR APPLICATION NUMBER: US 60/535,076
PRIOR FILING DATE: 2004-01-08
PRIOR APPLICATION NUMBER: PCT/GB2003/005646
PRIOR FILING DATE: 2003-12-24
PRIOR APPLICATION NUMBER: GB 0327706.8
PRIOR FILING DATE: 2003-11-28
PRIOR APPLICATION NUMBER: US 60/509,613
PRIOR FILING DATE: 2003-10-08
NUMBER OF SEQ ID NOS: 368
SOFTWARE: PatentIn version 3.3
SEQ ID NO 215
LENGTH: 240
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetic Antibody Sequence, VH and VL joined by GlySer Linker
US-10-925-366A-219

Query Match      82.6%; Score 1047; DB 6; Length 240;
Best Local Similarity 85.2%; Pred. No. 1e-72;
Matches 207; Conservative 11; Mismatches 21; Indels 4; Gaps 2;

QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMGWVROAPKGLIEWVSSISGSSRYIY 60
DB 1 EVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMGWVROAPKGLIEWVAIVISGSGSTYY 60
QY 61 ADSVKGRTISRDNKNTLYLQMNSLRAEDTAVYYCAKMDASGYFNFMGQGLVTVSSG 120
DB 61 ADSVKGRTISRDNKNTLYLQMNSLRAEDTAVYYCAK-----SYGAPFYMQGGLVTVSSG 117
QY 121 GGGSGGGGSGGGS-FTLTQSPSPFLSAFVGDRIITTCRASPGIRNYLAWYQOKP 179
DB 118 GGGSGGGGSGGSGTDIOMTQSPSTMSASIGDRVITTCRASBGIVHMLAWYQOKP 177
QY 180 LLIYAASLTQSGVPSRPSGSGGTDFTLTISLQPEDPATYYCCQVNSYPLSPFGGKTYE 239
DB 178 LLIYAASLTQSGVPSRPSGSGGTDFTLTISLQPEDPATYYCCQVNSYPLSPFGGKTYE 237
QY 240 IKR 242
DB 238 IKR 240

RESULT 6
US-11-176-525-1
Sequence 1, Application US/11176525
Publication No. US20060024308A1
GENERAL INFORMATION:
APPLICANT: Crea, Roberto
APPLICANT: Rajpal, Arvind
APPLICANT: Takeuchi, Toehi
APPLICANT: Cappuccilli, Guido
APPLICANT: Jones, Jennifer
TITLE OF INVENTION: HIGH AFFINITY ANTI-TNF-ALPHA ANTIBODIES AND METHOD
FILE REFERENCE: 43525-8001.US00
CURRENT APPLICATION NUMBER: US/11/176,525
CURRENT FILING DATE: 2005-07-06
PRIOR APPLICATION NUMBER: US 60/586,487
PRIOR FILING DATE: 2004-07-06
NUMBER OF SEQ ID NOS: 87

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SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 264
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Recombinant D2E7 scFv antibody
US-11-176-525-1

Query Match      82.4%; Score 1046; DB 7; Length 264;
Best Local Similarity 83.1%; Pred. No. 1.4e-72;
Matches 202; Conservative 18; Mismatches 21; Indels 2; Gaps 1;

QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMGWROAPGKLEWVSSISGSRITY 60
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 2 EVQLVGGGGLVQPGGSLRLSCAASGFTFDYAEHWROAPGKLEWVAITMNSGHIDY 61
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 61 ADSVKGFTISRDNKNTLYLQWNSLRAEDTAVYYCAKMD--ASGYFHWGGTLVTVS 118
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 62 ADSVEGRFTISRDNKNTLYLQWNSLRAEDTAVYYCAKNSYLSASLDYWGGLTVTVS 121
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 119 SGGGSGGGSGGGSGGSETTLTQSPFLSAFVGDRIITTCRASPGRNYLAWYQKPGKAP 178
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 122 SGGGSGGGSGGGSGGSDIQMTQSPSSLSASVGDRIITTCRASPGRNYLAWYQKPGKAP 181
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 179 KLLIYASTQSGVSRFSFGSGGTDFTLTSSLQPEDPATYCCQVNSYPLSPGSGGTRY 238
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 182 KLLIYASTQSGVSRFSFGSGGTDFTLTSSLQPEDPATYCCQVNSYPLSPGSGGTRY 241
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 239 EIK 241
    :|||:
DB 242 EIK 244

RESULT 7
US-11-054-515-1935
; Sequence 1935, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; PRIOR FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1935
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1935

Query Match      82.4%; Score 1043.5; DB 7; Length 243;
```

```
Best Local Similarity 82.4%; Pred. No. 1.9e-72;
Matches 202; Conservative 18; Mismatches 20; Indels 5; Gaps 3;

QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMGWROAPGKLEWVSSI--SGSRIT 58
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 1 QVTLKESGGGLVQPGGSLRLSCAASGFTFSYGMHWROAPGKLEWVAFIYDGSNK-- 58
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 59 YYADSVKGRFTISRDNKNTLYLQWNSLRAEDTAVYYCAKMDASGSY--FNWGGTLVTV 117
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 59 YYADSVKGRFTISRDNKNTLYLQWNSLRAEDTAVYYCAKPGSSSYAFDINGKGLTVTV 118
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 118 SGGGSGGGSGGGSGGSETTLTQSPFLSAFVGDRIITTCRASPGRNYLAWYQKPGKA 177
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 119 SGGGSGGGSGGGSGGSDIQMTQSPSSLSASIGDRIITTCRASEGIYHWLAWYQKPGKA 178
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 178 PKLLIYASTQSGVSRFSFGSGGTDFTLTSSLQPEDPATYCCQVNSYPLSPGSGGTRY 237
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 179 PKLLIYASTQSGVSRFSFGSGGTDFTLTSSLQPEDPATYCCQVNSYPLSPGSGGTRY 238
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 238 VEIKR 242
    :|||:
DB 239 LEIKR 243

RESULT 8
US-11-054-515-1310
; Sequence 1310, Application US/11054515
; Publication No. US2005025532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; PRIOR FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1310
; LENGTH: 251
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1310

Query Match      82.1%; Score 1040.5; DB 7; Length 251;
Best Local Similarity 82.1%; Pred. No. 3.4e-72;
Matches 206; Conservative 9; Mismatches 27; Indels 9; Gaps 2;

QY 1 QVQLVSGGGLVQPGGSLRLSCAASGFTFSYAMGWROAPGKLEWVSSISGSRITY 60
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 1 QVTLKESGGGLVQPGGSLRLSCAASGFTFSYAMTWROAPGKLEWVAISSGDSASY 60
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
QY 61 ADSVKGFTISRDNKNTLYLQWNSLRAEDTAVYYCAK---MDASGYF-----NFWGQ 111
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 61 ADSVKGFTISRDNKNTLYLQWNSLRAEDTAVYYCARDPGYDILTGYPHRYGMVDWGR 120
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
```

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QY 112 GTLVTSGGGGGGGGGGGGGGGGGGTTLTOSPSLAFVGDRTITTCRASPCIRNYLAWQ 171
DB 121 GTTVVSSGGGGGGGGGGGGGGGGGGTTLTOSPSLAFVGDRTITTCRASPCIRNYLAWQ 180
QY 172 QKGRKAPKLLIYAASLTOSGVPSPFSGSGGTDTFTLTISSLOPEDFATYCCOQNSYPLS 231
DB 181 QKGRKAPKLLIYAASLTOSGVPSPFSGSGGTDTFTLTISSLOPEDFATYCCOQNSYPLT 240
QY 232 FGGGTVEIKR 242
DB 241 FGGGTVEIKR 251

RESULT 9
US-11-054-515-1945
; Sequence 1945, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; PRIOR FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1945
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1945

Query Match 81.6%; Score 1033.5; DB 7; Length 243;
Best Local Similarity 81.1%; Pred. No. 1.1e-71;
Matches 197; Conservative 21; Mismatches 24; Indels 1; Gaps 1;
QY 1 QVQLVSGGGLVQPGSLRLSCAASGFTSSYAMGWVROAPKGLIEWSSISGSRITYY 60
DB 1 QVQLVSGGGLVQPGSLRLSCAASGFTSSYAMGWVROAPKGLIEWSSISGSRITYY 60
QY 61 ADSVYKRRFTISDNKNTLYIQMNSLRAPDTAVYYCAKMDASGTF-NFPGGTLTVYS 119
DB 61 ADSVYKRRFTISDNKNTLYIQMNSLRAPDTAVYYCAKMDASGTF-NFPGGTLTVYS 119
QY 61 ADSVYKRRFTISDNKNTLYIQMNSLRAPDTAVYYCAKMDASGTF-NFPGGTLTVYS 120
DB 61 ADSVYKRRFTISDNKNTLYIQMNSLRAPDTAVYYCAKMDASGTF-NFPGGTLTVYS 120
QY 120 GGGGSGGGSGGGGGSEETLTOSPSLAFVGDRTITTCRASPCIRNYLAWQKRGAPK 179
DB 121 GGGGSGGGSGGGGGSEETLTOSPSLAFVGDRTITTCRASPCIRNYLAWQKRGAPK 180
QY 180 LLIYKASSTLQSGVPSRFGSGSGGTDTFTLTISSLOPEDFATYCCOQNSYPLSFGGRTYV 239
DB 181 LLIYKASSTLQSGVPSRFGSGSGGTDTFTLTISSLOPEDFATYCCOQNSYPLSFGGRTYV 240
QY 240 IKR 242
```

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DB 241 IKR 243

RESULT 10
US-11-054-515-82
; Sequence 82, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; PRIOR FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 82
; LENGTH: 244
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-82

Query Match 81.4%; Score 1031; DB 7; Length 244;
Best Local Similarity 81.6%; Pred. No. 1.7e-71;
Matches 199; Conservative 17; Mismatches 26; Indels 2; Gaps 1;
QY 1 QVQLVSGGGLVQPGSLRLSCAASGFTSSYAMGWVROAPKGLIEWSSISGSRITYY 60
DB 1 QVQLVSGGGLVQPGSLRLSCAASGFTSSYAMGWVROAPKGLIEWSSISGSRITYY 60
QY 61 ADSVYKRRFTISDNKNTLYIQMNSLRAPDTAVYYCAKMDASGTF-NFPGGTLTVYS 118
DB 61 ADSVYKRRFTISDNKNTLYIQMNSLRAPDTAVYYCAKMDASGTF-NFPGGTLTVYS 118
QY 61 ADSVYKRRFTISDNKNTLYIQMNSLRAPDTAVYYCAKMDASGTF-NFPGGTLTVYS 120
DB 61 ADSVYKRRFTISDNKNTLYIQMNSLRAPDTAVYYCAKMDASGTF-NFPGGTLTVYS 120
QY 119 GGGGSGGGSGGGGGSEETLTOSPSLAFVGDRTITTCRASPCIRNYLAWQKRGAPK 178
DB 121 GGGGSGGGSGGGGGSEETLTOSPSLAFVGDRTITTCRASPCIRNYLAWQKRGAPK 180
QY 179 KLLIYAASLTOSGVPSPFSGSGGTDTFTLTISSLOPEDFATYCCOQNSYPLSFGGRTYV 238
DB 181 KLLIYAASLTOSGVPSPFSGSGGTDTFTLTISSLOPEDFATYCCOQNSYPLSFGGRTYV 240
QY 239 EIKR 242
DB 241 EIKR 244

RESULT 11
US-11-054-515-2005
; Sequence 2005, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
```

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; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 2005
; LENGTH: 237
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-2005
```

```

Query Match      81.3%; Score 1029.5; DB 7; Length 237;
Best Local Similarity 82.6%; Pred. No. 2.2e-71;
Matches 200; Conservative 17; Mismatches 20; Indels 5; Gaps 2;

QY 1 QVQLVESGGGLVPGGSLRLSCAASGFTFSYAMGWVROAPGKGLFWMVSSISGSSRYIY 60
   |||||
DB 1 QVQLVQSGGGLVPGGSLRLSCAASGFTFSYENWVRQAPGKGLFWMVSYISSGSIYY 60
   |||||
QY 61 ADSVKGRTTISRDNKNTLYLQNNSLRAEDTAVYYCARMDASGSYFNFGGTLVTYSSG 120
   |||||
DB 61 ADSVKGRTTISRDNKNTLYLQNNSLRAEDTAVYYCAR-DT-----DYWGGLTLYTVSSG 115
   |||||
QY 121 GGGSGGGSGGGSETTLTQSPFSLAFAVGDRTITCRASPGIRNLTAWYQKRGKAPKL 180
   |||||
DB 116 GGGSGGGSGGGSGSDIVWTFSPSTLSASVGDRTITCRASGSISSWLTAWYQKRGKAPKL 175
   |||||
QY 181 LIYAASTLQSGVPSRFSGSGSGTFTLTISLQPEDFATYYCCQYNSYPLSPFGGTVVEI 240
   |||||
DB 176 LIYAASTLQSGVPSRFSGSGSGTFTLTISLQPEDFATYYCCQYNSYPLSPFGGTVLEI 235
   |||||
QY 241 KR 242
   ||
DB 236 KR 237
```

```

RESULT 12
US-11-054-515-1889
; Sequence 1889, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
```

```

; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 60/277,379
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/276,248
; PRIOR FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/240,816
; PRIOR FILING DATE: 2000-10-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 3247
; SEQ ID NO 1889
; LENGTH: 241
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-054-515-1889
```

```

Query Match      81.3%; Score 1029.5; DB 7; Length 241;
Best Local Similarity 81.0%; Pred. No. 2.2e-71;
Matches 196; Conservative 20; Mismatches 25; Indels 1; Gaps 1;

QY 1 QVQLVESGGGLVPGGSLRLSCAASGFTFSYAMGWVROAPGKGLFWMVSSISGSSRYIY 60
   |||||
DB 1 QVQLVQSGGGLVPGGSLRLSCAASGFTFSYMSVVRQAPGKGLFWMVNIKDGSEKYY 60
   |||||
QY 61 ADSVKGRTTISRDNKNTLYLQNNSLRAEDTAVYYCARMDASGSYFNFGGTLVTYSSG 120
   |||||
DB 61 VDSVKGRTTISRDNKNTLYLQNNSLRAEDTAVYYCAR-DNLHAADIDWGRTLYTVSSG 119
   |||||
QY 121 GGGSGGGSGGGSETTLTQSPFSLAFAVGDRTITCRASPGIRNLTAWYQKRGKAPKL 180
   |||||
DB 120 GGGSGGGSGGGSGSDIQMTQSPSTLSASIGDRTITCRASGSISSWLTAWYQKRGKAPKL 179
   |||||
QY 181 LIYAASTLQSGVPSRFSGSGSGTFTLTISLQPEDFATYYCCQYNSYPLSPFGGTVVEI 240
   |||||
DB 180 LIYAASTLQSGVPSRFSGSGSGTFTLTISLQPEDFATYYCCQYNSYPLSPFGGTVLEI 239
   |||||
QY 241 KR 242
   ||
DB 240 KR 241
```

```

RESULT 13
US-11-054-515-1901
; Sequence 1901, Application US/11054515
; Publication No. US20050255532A1
; GENERAL INFORMATION:
; APPLICANT: Ruben et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind Blys
; FILE REFERENCE: PF523P3
; CURRENT APPLICATION NUMBER: US/11/054,515
; CURRENT FILING DATE: 2005-02-10
; PRIOR APPLICATION NUMBER: 60/543,296
; PRIOR FILING DATE: 2004-02-11
; PRIOR APPLICATION NUMBER: 60/580,347
; PRIOR FILING DATE: 2004-06-18
; PRIOR APPLICATION NUMBER: 10/293,418
; PRIOR FILING DATE: 2002-11-14
; PRIOR APPLICATION NUMBER: 60/331,469
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: 60/340,817
; PRIOR FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 09/880,748
; PRIOR FILING DATE: 2001-06-15
; PRIOR APPLICATION NUMBER: 60/293,499
; PRIOR FILING DATE: 2001-05-25
; PRIOR APPLICATION NUMBER: 10/277,379
; PRIOR FILING DATE: 2001-03-21
```

```

PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
PRIOR FILING DATE: 2000-10-17
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 1901
LENGTH: 241
TYPE: PRT
ORGANISM: Homo sapiens
US-11-054-515-1901

Query Match
Best Local Similarity 81.3%; Score 1029.5; DB 7; Length 241;
Matches 197; Conservative 20; Mismatches 24; Indels 1; Gaps 1;

QY 1 QVQLVSGGGLVQPGSRLRLSCAASGFTFSYAMGWVROAPGKLEWVSISGSSRYIYY 60
DB 1 EVQLVDSGGVQVPGSRLRLSCAASGFTFSYAMGWVROAPGKLEWVAVISYGRNKIY 60
QY 61 ADSVKGRTISRDNSKNTLYIQMNSLRADPTAVYYCARADQDILGYLSCMDVWGKGT 120
DB 61 ADSVKGRTISRDNSKNTLYIQMNSLRADPTAVYYCARADQDILGYLSCMDVWGKGT 119
QY 121 GGGSGGGSGGGSGGGSETTLTQSPSLAPVGRITTCRASPGIRNYLAWYQOK 180
DB 120 GGGSGGGSGGGSGGGSDIQMTQSPSLASIGRVTITCRASPGIRNYLAWYQOK 179
QY 181 LITAASTLQGVPSRPSGSGSDPTLTITSLQPEDPATYTCQYNSYPLFGGTYEI 240
DB 180 LITKASLWSGASRPSGSGSDPTLTITSLQPEDPATYTCQYNSYPLFGGTYEI 239
QY 241 KR 242
DB 240 KR 241

RESULT 14
US-11-054-515-1177
Sequence 1177, Application US/11054515
Publication No. US2005025532A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunosepecifically Bind Blys
FILE REFERENCE: PF523P3
CURRENT APPLICATION NUMBER: US/11/054,515
PRIOR FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 1177
LENGTH: 247
TYPE: PRT
ORGANISM: Homo sapiens

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US-11-054-515-1177
Query Match
Best Local Similarity 81.3%; Score 1029.5; DB 7; Length 247;
Matches 202; Conservative 18; Mismatches 20; Indels 9; Gaps 4;

QY 1 QVQLVSGGGLVQPGSRLRLSCAASGFTFSYAMGWVROAPGKLEWVSISGSSRYIYY 59
DB 1 EVQLVDSGGVQVPGSRLRLSCAASGFTFSYALHWVROAPGKLEWVAVISYGRNKIY 58
QY 60 YADSVKGRFTISRDNSKNTLYIQMNSLRADPTAVYYCAK--MDASGSY---FNFVGGGT 113
DB 59 YADSVKGRFTISRDNSKNTLYIQMNSLRADPTAVYYCARAQDILGYLSCMDVWGKGT 118
QY 114 LITVSSGGGGSGGGSGGGSETTLTQSPSLAPVGRITTCRASPGIRNYLAWYQOK 173
DB 119 LITVSSGGGGSGGGSGGGSDIQMTQSPSLASIGRVTITCRASPGIRNYLAWYQOK 178
QY 174 PGKAPRLITAASTLQGVPSRPSGSGSDPTLTITSLQPEDPATYTCQYNSYPLFG 233
DB 179 PGKAPRLITAASTLQGVPSRPSGSGSDPTLTITSLQPEDPATYTCQYNSYPLFG 238
QY 234 GGTNYEIR 242
DB 239 GGTNYEIR 247

RESULT 15
US-11-054-515-2114
Sequence 2114, Application US/11054515
Publication No. US2005025532A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Antibodies that Immunosepecifically Bind Blys
FILE REFERENCE: PF523P3
CURRENT APPLICATION NUMBER: US/11/054,515
PRIOR FILING DATE: 2005-02-10
PRIOR APPLICATION NUMBER: 60/543,296
PRIOR FILING DATE: 2004-02-11
PRIOR APPLICATION NUMBER: 60/580,347
PRIOR FILING DATE: 2004-06-18
PRIOR APPLICATION NUMBER: 10/293,418
PRIOR FILING DATE: 2002-11-14
PRIOR APPLICATION NUMBER: 60/331,469
PRIOR FILING DATE: 2001-11-16
PRIOR APPLICATION NUMBER: 60/340,817
PRIOR FILING DATE: 2001-12-19
PRIOR APPLICATION NUMBER: 09/880,748
PRIOR FILING DATE: 2001-06-15
PRIOR APPLICATION NUMBER: 60/293,499
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: 60/277,379
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/276,248
PRIOR FILING DATE: 2001-03-16
PRIOR APPLICATION NUMBER: 60/240,816
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 3247
SEQ ID NO 2114
LENGTH: 237
TYPE: PRT
ORGANISM: Homo sapiens
US-11-054-515-2114

Query Match
Best Local Similarity 81.1%; Score 1027.5; DB 7; Length 237;
Matches 199; Conservative 18; Mismatches 20; Indels 5; Gaps 2;

QY 1 QVQLVSGGGLVQPGSRLRLSCAASGFTFSYAMGWVROAPGKLEWVSISGSSRYIYY 60
DB 1 EVQLVDSGGVQVPGSRLRLSCAASGFTFSYALHWVROAPGKLEWVAVISYGRNKIY 58

```

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QY 61 ADSVKGRFTISRPNKNTLYLQNNSLRAEDTAVYCAKMDASGYFNFWGQGTLYTVSSG 120
DB 61 ADSVKGRFTISRDNAKNSLYLQNNSLRAEDTAVYCAR-DT---DYMGGTMTVSSG 115
QY 121 GGGGGGGGGGGSEFTTLTQSPSFLSAFVGDRIITTCRASPGIRNYLAWYQCKPKAKPKL 180
DB 116 GGGGGGGGGGGSDIVMTQSPSTLSASVGDRTITCRASQGISWLAWYQCKPKRAPKV 175
QY 181 LIYASTLOSVPSPRSFGSGSGTDFTLTISLQPEDPATYCCQYNSYPLSFGGKTVEI 240
DB 176 LIYKASTLBEGVPSRFSGSGSGTDFTLTISLQPEDPATYCCQSYSTPWTFGQGTKEI 235
QY 241 KR 242
DB 236 KR 237

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Search completed: March 17, 2006, 11:13:31  
 Job time : 15.3811 secs